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STATISTICAL REFERENCE OF LANDS AND FORESTS ADMINISTRATION.

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ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

A

Government
Publications

**STATISTICAL
REFERENCE
OF
LANDS AND FORESTS
ADMINISTRATION
1966
OPERATIONS BRANCH**



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

NEW POLICES

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1965 season and are subject to correction in the Annual Report for the year ending March 31st, 1966.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake.....	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross.....	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard Hearst.....	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson.....	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew.....	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost.....	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts.....	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner.....	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st, 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

YEAR	CASH RECEIPTS		Total	CASH DISBURSEMENTS		Total	BALANCE
	Ordinary	Capital		Ordinary	Capital		
1943	\$ 6,964,338.05	\$ 69,275.28	\$7,033,613.33	\$4,072,688.46	\$ 3,029.42	\$4,075,717.88	\$2,957,895.45
1944	6,567,183.22	130,524.24	6,697,707.56	3,610,850.90	4,574.92	3,615,425.82	3,082,281.74
1945	6,436,259.97	155,219.01	6,591,478.98	4,210,648.47	341.95	4,210,990.42	2,380,488.56
1946	8,321,551.84	193,061.14	8,514,612.98	4,839,821.50	8,234.30	4,848,055.80	3,666,557.18
1947	10,366,281.93	261,865.96	10,628,147.89	7,043,267.18	116,523.23	7,159,790.41	3,468,357.48
1948	10,467,251.70	215,151.77	10,682,403.47	7,598,611.94	.....	7,598,611.94	3,083,791.53
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97	234,435.09
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	4,623,339.12	14,536,859.74	d-2,934,604.05
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35	3,149,885.28
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94	4,949,208.31
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48	10,006,812.65
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47	6,559,176.49
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42	6,430,466.63
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88	2,874,285.45
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75	5,023,761.56
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75	3,666,297.69
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03	d-4,189,790.28
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72	d-4,585,644.98
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30	d-1,620,651.24
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02	d-6,014,690.56
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40	d-5,940,207.05
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84	d-8,147,927.55
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37	d-6,187,887.03

* Years to 1947 include former Department of Game and Fisheries. Grants to Conservation Authorities in 1962, 1963 and 1964.

Water power revenue transferred to Treasury Department in 1959. d--Operating deficit. p--Parks improvements. w--Cut back in woods operations. m--Mississagi project.

TIMBER SECTION REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
	\$	\$	\$	\$	\$	\$
1943	.....	.....	.....	.....	.....	4,982,281
1944	.....	.....	.....	.....	.....	4,561,733
1945	3,606,192	117,396	436,395	66,234	15,364	4,241,581
1946	4,947,915	115,299	419,323	59,004	13,240	5,554,781
1947	6,175,444	125,061	461,164	164,784	17,651	6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445 ^w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470 ^w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166 ^w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713

*Refunds in excess of deposits.

w - Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	{ Royalty (Game)	Misc.	Total
1943	\$118,084	\$ 4,373	\$102,245	\$ 93,245	\$ 306,264	\$ 84,507	\$161,635	\$ 85,433	\$ 955,786
1944	115,396	4,697	75,153	89,450	288,685	103,143	195,286	97,273	969,083
1945	117,005	4,813	79,390	115,590	412,073	99,819	247,562	110,272	1,186,524
1946	166,635	7,051	110,253	218,855	605,321	103,105	277,768	153,743	1,642,731
1947*	196,549	9,316	132,907	361,887	1,000,866	109,473	274,139	155,774	2,240,911
1948	205,827	11,878	146,601	453,790	1,156,904	110,705	206,514	128,442	2,420,661
1949	237,707	16,787	176,301	468,705	1,350,501	116,597	328,171	119,107	2,813,876
1950	242,208	352	194,228	364,922	1,450,180	115,344	293,426	113,858	2,774,518
1951	264,881	.....	200,790	401,490	1,637,775	121,688	321,698	117,429	3,065,752
1952	286,226	7,719	222,998	340,255	1,868,746	135,255	341,664	117,082	3,319,945
1953	348,665	33,487	249,982	156,913	1,949,892	140,116	398,604	132,256	3,409,915
1954	355,911	52,464	251,535	447,366	2,086,074	125,427	353,005	128,953	3,800,735
1955	364,082	73,460	277,237	454,643	2,204,668	140,064	343,220	122,882	3,989,256
1956	405,201	90,040	295,320	513,088	2,279,336	132,944	317,052	121,733	4,154,714
1957	400,272	134,210	292,098	545,979	2,294,761	145,447	272,952	120,108	4,205,827
1958	415,920	173,650	317,375	563,004	2,431,977	128,634	277,800	126,171	4,434,531
1959	459,440	214,664	346,914	588,852	2,337,425	116,861	268,276	107,392	4,439,824
1960	468,833	245,033	352,197	698,968	2,399,612	112,260	252,001	93,303	4,622,207
1961	493,361	280,274	357,021	797,213	2,435,611	110,168	279,484	94,979	4,848,111
1962	420,727	358,695	344,706	936,819	2,527,212	111,552	244,082	110,723	5,054,516
1963	478,444	363,095	353,064	1,041,490	2,608,572	114,461	255,265	110,406	5,324,797
1964	457,361	393,296	381,125	1,125,019	2,685,219	115,724	327,572	112,765	5,598,081
1965	493,979	366,693	388,629	1,278,264	2,695,802	122,525	287,124	96,062	5,729,078

+Includes Smelt Licences and Royalty (Fish).

{Includes Trappers' Licences.

*Department of Game and Fisheries to 1947.

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250

† Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$.....	\$ 45,613	\$.....	\$.....	\$13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	222,287	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: F. A. Walden
Game Management
Fur Management
Field Services
Indian Affairs Agreement

FISHERIES SECTION

Supervisor: J. D. Roseborough
Game Fisheries and Hatcheries
Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

♂FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
					**								
1949	4,326	46,208	1,027	2,822	409	120	19,867	172,219	3,276	129	77	209	20,544
1950	4,917	62,717	310	1,741	389	48	30,750	146,145	3,488	66	169	....	44,463
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,727
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,330	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,980	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841

*Management began in 1947. Wolf and bear returns not reported above.

**Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

VALUE OF PELTS

Year	Wild	Ranch Mink	Total Ranch	Total	Wild	Ranch	Total
1947	876,204	73,770	101,430	977,634	\$4,966,209	\$2,262,888	\$7,229,098
1948	1,001,249	125,829	155,468	1,156,717	4,040,847	2,346,039	6,386,885
1949	1,046,628	143,358	164,917	1,211,545	5,187,075	1,647,044	6,834,120
1950	931,890	143,513	158,912	1,090,802	4,248,297	2,165,233	6,413,530
1951	811,579	142,570	152,208	963,787	4,582,901	3,101,559	7,684,460
1952	959,431	144,436	152,284	1,111,715	3,656,919	2,355,226	6,012,145
1953	1,098,286	152,760	156,903	1,255,189	3,868,812	2,171,784	6,040,596
1954	1,016,672	131,192	132,759	1,149,431	2,682,762	1,905,518	4,588,280
1955	1,107,530	158,662	159,765	1,267,295	4,284,902	2,942,968	7,227,870
1956	786,608	171,723	172,985	959,593	2,989,521	4,129,555	7,119,077
1957	788,666	247,998	248,317	1,036,983	2,575,809	2,978,209	5,554,018
1958	791,165	237,172	237,930	1,029,095	2,713,427	3,943,119	6,656,546
1959	680,189	262,788	262,913	943,102	2,445,203	3,969,224	6,414,426
1960	641,093	286,845	287,265	928,358	2,831,174	4,450,571	7,281,744
1961	680,878	348,192	348,602	1,029,480	2,469,875	4,441,088	6,910,963
1962	627,283	385,650	385,962	1,013,245	2,451,075	5,593,485	8,044,560
1963	692,487	385,982	386,133	1,078,620	3,439,311	6,176,920	9,616,231
1964	742,923	437,303	437,443	1,180,366	3,942,029	7,019,973	10,962,002
1965	597,866	393,231	393,231	991,097	2,877,897	5,898,465	8,776,362

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

ROYALTY ON WILD PELTS

Year	Export Beaver	Total Export	Tanners	Export Beaver	Total Export	Tanners
1947	45,847	762,998	214,636	\$ 91,694	\$188,560	\$ 23,229
1948	20,083	862,700	294,017	40,166	.....	.....
1949	74,253	940,378	271,167	148,506	238,073	27,156
1950	65,600	909,079	181,723	131,200	219,949	18,075
1951	81,845	814,447	149,340	163,690	241,938	15,493
1952	105,503	922,868	188,847	211,006	300,321	19,556
1953	122,287	998,713	256,476	185,103	300,799	26,314
1954	105,071	908,990	240,441	157,635	268,823	25,430
1955	134,729	941,348	325,947	135,919	242,490	34,795
1956	112,663	769,027	190,566	112,663	196,956	20,767
1957	111,278	788,370	248,613	111,278	194,340	27,596
1958	140,930	879,316	149,779	140,930	224,921	9,407
1959	119,684	830,538	112,564	119,684	195,586	8,353
1960	109,757	821,984	106,374	109,757	188,562	6,950
1961	130,167	918,212	111,268	130,167	224,237	9,017
1962	135,949	897,511	115,734	135,949	217,870	5,999
1963	164,293	959,404	119,216	164,293	242,552	6,981
1964	135,791	903,688	276,678	135,791	198,473	72,874
1965	116,901	728,415	262,682	116,901	166,325	64,339

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

Year	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid
1947	959	73	\$ 9,735
1948	509	17	5,095
1949	592	67	6,035
1950	803	122	8,530
1951	453	47	4,645
1952	408	29	4,180
1953	662	57	6,805
1954	947	145	10,000
1955	1,126	99	11,590
1956	614	50	6,210
1957	611	50	6,225
1958	1,568	300	16,930
1959	1,084	116	11,145
1960	697	139	7,590
1961	401	46	4,150
1962	*328	*33	*3,405
1963	(Payment ended on July 27, 1961)		
1964	....	...	.....
1965	....	...	.....

WOLF BOUNTY

	Timber	Brush	Pups	Total	Total Amount Paid
	1,440	1,182	42	2,664	\$59,275
	1,515	961	74	2,540	54,923
	1,581	1,062	84	2,727	57,977
	1,613	890	41	2,544	56,927
	1,405	651	44	2,100	46,457
	1,198	634	63	1,895	41,803
	1,313	739	68	2,120	46,550
	1,101	720	70	1,891	41,853
	1,075	620	41	1,736	38,703
	1,088	559	28	1,675	37,550
	1,195	486	71	1,752	38,950
	1,047	574	34	1,655	37,255
	1,169	606	49	1,824	41,589
	939	528	42	1,509	33,619
	1,320	761	57	2,138	48,766
	1,136	794	68	1,998	44,510
	1,276	691	64	2,031	44,664
	1,342	862	61	2,265	44,999
	1,638	1,052	63	2,753	59,997

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Fox											
Blue.....	68	70	81	56	57	83	94	97	57	48	46
Cross.....	1	1	1	1	.....	.....	.....	.....	1	1	...
Pearl Platinum..	230	251	155	119	.....	.....	.....	.....	...	...	...
Platinum.....	136	136	108	105	186	232	280	367	355	270	256
**Other Fox.....	3	4	6	7	12	13	14	9	...	...	7
*Silver.....	583	456	239	166	150	178	292	212	130	123	106
White Marked....	26	16	9	6	.....	.....	.....	.....	...	...	...
Total Fox.....	1,047	934	599	460	405	506	680	685	543	442	415
Mink.....	75,340	85,332	101,721	109,936	119,299	130,294	142,600	154,626	164,901	178,814	188,005
Beaver.....	26	16	1	1	1	1	1	1	...	2	...
Fisher.....	9	11	12	12	8	2	2	1	1	4	4
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...
Marten.....	62	70	81	85	76	89	96	97	78	33	33
Muskrat.....	707	82	62	54	47	.....	.....	.....	...	10	52
Raccoon.....	57	47	43	43	33	24	22	20	13	8	2
Skunk.....	.....	.....	5	5	3	3	3	3	4	2	1
NO. OF FARMS.....	549	529	542	514	507	495	495	508	500	505	499

*Includes Standard and White Marked. **Includes Cross, Red and White

* GAME BIRD HUNTING PRESERVES in year ending March 31, 1965

Districts	No. of Pre- serves	Total Purchased	Total Released	No. of Birds Harvested	No. of Hunters	Stock on Hand
Lake Erie.....	12	7,960	9,040	6,505	1,516	3,671
Lake Huron.....	5	7,185	9,262	6,297	1,134	836
Lake Simcoe.....	2	5,131	2,056	890	375	230
Lindsay.....	5	769	3,004	1,985	600	772
Tweed.....	3	60	4,370	3,009	375	715
Sault Ste. Marie....	2	3,500	2,400	600	310	175
Totals.....	29	24,605	30,132	19,286	4,310	6,399

* Based on incomplete returns.

*COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1965

Districts	No. of Farms	PURCHASES			SALES				Stock on Hand
		Eggs	Chicks Poults	Adults	Dressed Birds	Eggs	Chicks Poults	Live Adults	
Lake Erie.....	35	513	9,051	5,720	8,914	1,258	34,309	12,051	4,856
Lake Huron.....	46	94	2,586	716	4,152	236	436	4,473	876
Lake Simcoe.....	17	...	8,390	100	676	...	3,025	644	266
Lindsay.....	14	...	1,150	269	825	146	382	199	597
Tweed.....	10	...	...	...	1,038	284	80	33	963
Kemptville.....	8	372	778	20	1,356	...	...	9	103
Pembroke.....	1	...	...	...	12	...	...	...	...
Parry Sound.....	2	...	206	2	...	...	...	...	135
Sudbury.....	2	...	350	...	468	...	...	307	81
Sault Ste. Marie.....	5	...	3,500	...	932	24	500	1,123	244
Cochrane.....	1	...	...	7	...	25	25	10	90
Fort Frances.....	2	100	200	...	6	...	...	...	111
Totals.....	143	1,079	26,211	6,834	18,379	1,973	38,757	18,849	8,322

*Based on incomplete returns.

HUNTING LICENCES SOLD

Year	DEER			MOOSE			BEAR+			SMALL GAME		
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Total
1944	38,654	2,385	41,039	875	653	1,528	...	181	92,847	1,949		
1945	53,930	4,430	58,360	1,282	1,426	2,708	...	314	131,468	3,281		
1946	62,913	7,877	70,790	1,694	1,230	2,924	...	783	155,309	4,666		
1947	67,299	11,193	78,492	2,270	1,516	3,786	...	548	171,098	3,620		
1948	73,700	11,300	85,000	3,000	1,700	4,700	...	1,600	186,060	3,200		
1949	76,274	12,050	88,324	*	*	*	...	1,176	205,706	3,300		
1950	84,380	12,440	96,820	*	*	*	...	1,127	213,594	5,620		
1951	89,290	10,400	99,690	1,400	*	1,400	...	1,120	240,040	4,960		
1952	96,790	** 870	97,660	3,620	*	3,620	...	3,060	268,444	5,400		
1953	92,785	8,300	101,085	5,196	637	5,833	...	2,490	256,341	3,810		
1954	92,800	10,400	103,200	7,500	730	8,230	...	1,520	284,000	5,300		
1955	105,150	8,050	113,200	9,000	990	9,990	...	1,750	318,000	6,010		
1956	98,079	7,426	105,505	13,441	1,521	14,962	...	2,031	316,778	5,905		
1957	106,620	6,743	113,363	17,367	1,890	19,257	...	2,703	341,838	6,092		
1958	109,322	6,044	115,366	22,688	2,362	25,050	...	4,803	377,589	5,503		
1959	102,960	5,988	109,948	26,349	3,431	29,780	...	4,089	378,666	6,243		
1960	114,400	6,004	120,404	31,948	4,212	36,160	...	3,828	383,205	7,286		
1961	106,160	5,788	111,948	38,977	5,775	44,752	...	3,607	377,047	7,103		
1962	121,735	5,913	127,648	39,470	6,675	46,145	307	1,922	383,150	7,538		
1963	114,510	6,351	120,861	43,144	7,261	50,405	354	2,038	416,019	7,685		
1964	124,182	6,562	130,744	40,188	7,639	47,827	414	2,208	399,521	7,998		

* Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712

PROSECUTIONS in years ending March 31st

Year	Seizures	Public Sales	*Total Sales	Convictions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442

*Includes Redemptions.

FISH DISTRIBUTED FROM ONTARIO PROVINCIAL HATCHERIES IN 1964 (in 000's)

STATIONS	Brook Trout	Lake Trout	Rainbow Trout	Large-mouth	Small-mouth	Mask-nonge	White-fish	Wall-eye	Splake	Ouananiche
Chatsworth.....	142y	29y	52y	...	...	...	...	...	...	...
Codrington.....	41y	38y	31y	...	...	...	...	...	...	...
Deer Lake.....	42y	24y	...	...	...	1,530f	...	...	...	...
	...	...	...	...	...	26g	...	...	...	...
Dorion.....	400e	...	...	...	...	...	...	...	...	...
	358g	...	...	...	...	...	...	...	...	...
	34y	222y	...	...	...	...	...	...	...	...
	2a	...	...	...	...	...	...	...	...	...
Hill Lake.....	122g	...	116g	...	...	...	...	...	...	...
	244y*	39y	39y	...	...	...	...	...	...	...
	38a	1a	...	...	...	...	...	...	...	...
Little Current.....	...	...	...	...	...	...	27,090f	7,500e	...	...
Midhurst.....	65y	...	...	...	...	...	...	...	...	...
Normandale.....	8y	...	25g	...	...	...	...	...	...	...
	13a	...	14a	...	...	...	...	...	...	...
North Bay.....	81y	1g	15y	...	...	...	...	...	...	15f
	22a	64y	...	...	...	...	...	...	...	...
Pembroke.....	8f	...	...	...	...	...	...	...	...	...
	26g	...	...	...	...	...	...	...	...	...
	239y	...	...	...	...	...	...	...	...	...
Sandfield.....	198y	42y	...	...	52f	...	...	...	...	...
	...	...	...	...	49g	...	...	...	...	...
Skeleton Lake.....	111y	74y	75y	...	63g	...	...	...	...	...
Tarentorus.....	291y	20e	17y	...	...	...	...	...	88y	...
	37a	343y	...	...	...	...	...	...	12a	...
Westport.....	20y	30y	8y	112f	4lg	...	...	6,500e	...	...
	...	...	...	65g	...	...	...	...	...	...
White Lake.....	214y	77y	82y	26g	88g	...	...	1,353f	...	...

e-Eyed eggs, g-Fingerlings, a-Adults, TRS-Trout Rearing Station, JS-Jar Station,
f-Fry, y-Yearlings, PS-Pond Station, *-Includes 3,873 Albinos.

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
BASS, Largemouth.											
Fry.....	720	282	360	190	46	45	231	...	55	45	112
Fingerling.....	279	343	122	129	63	46	30	25	112	93	91
Yearling and Adult...	...	4	1	3	1	....	....	....	...	...	...
BASS, Smallmouth.											
Fry.....	820	209	803	468	130	89	156	230	147	134	52
Fingerling.....	452	529	369	132	133	227	178	270	177	288	239
Yearling and Adult...	14	25	19	1	5	....	1	1	...	...	...
BLUEGILLS											
Fingerling.....	...	2	...	...	...	...	...	...	...	...	...
Adult.....	...	....	...	...	...	...	...	...	...	...	...
CHARR, French Alpine.											
Fingerling.....	...	...	21	...	...	...	...	...	...	...	...
Yearling.....	1	...	...	...	2	...	...	...	...	...	...
Adult.....	...	...	...	...	5	...	...	...	...	...	...
CHARR, Pennsylvania.											
Fingerling.....	...	2	...	...	...	...	...	...	...	...	...
GRAYLING, Arctic.											
Yearling.....	...	...	...	...	...	26	...	...	...	...	...
HERRING											
Eggs.....	900	398	...	1,840	...	1,068	...	...	...	...	...
Fry.....	2,717	3,400	350	...	...	....	50	...	...	...	...
MASKINONGE											
Fry.....	3,550	3,712	3,610	2,430	2,940	4,070	3,390	2,833	2,970	1,870	1,530
Fingerling.....	40	51	74	39	18	50	51	75	24	27	26
Adult.....	...	...	...	1	1	....	....	...	...	...	...

OUANANICHE

Eggs.....	....	....	....	....	....	....	....	....	53	....	....	....
Fry.....	....	....	....	....	....	....	....	....	....	....	1	....
Yearling.....	....	....	....	....	....	....	....	....	....	....	5	....
Adult.....	2	1	....	....	....	....	....	....	....	....	....	....

PICKEREL (Walleye)

Eggs.....	227,000	91,800	138,805	90,565	56,245	30,875	53,790	27,065	20,500	7,200	14,000	....
Fry.....	6,000	8,310	....	....	....	3,040	3,600	....	8,994	11,440	1,353	....
Fingerling.....	....	....	....	....	....	....	....	67	201	217	....	....
Adult.....	1	....	....	....	....	....	....	....	....	....	....	....

SALMON, Chum

Eggs.....	....	423	....	....	....	....	....	....	....	....	....	....
Fingerling.....	....	449	....	....	....	....	....	....	....	....	....	....

SALMON, Pink

Eggs.....	....	....	513	....	....	....	....	....	....	....	....	....
Fingerling.....	....	....	224	....	....	....	....	....	....	....	....	....

SPLAKE

Fingerling.....	....	....	....	16	....	....	....	....	....	....	....	....
Yearling.....	17	10	8	16	208	135	13	97	112	114	88
Adult.....	2	1	6	2	12

TROUT, Albino

Yearling.....	4
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TROUT, Aurora

Fingerling.....	2	2	1
Yearling.....	1	1

TROUT, Brown.....

Eggs.....	8
Fingerling.....	100	101	29	36	22	2	1
Yearling.....	178	234	151	170	133	193	85	5	....	....	....	....

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
TROUT, Kamloops											
Eggs.....	2**	2**	10	13	26	20	....	**3	....	....	....
Fry.....	....	....	....	....	10	....	....	....	....	....	....
Fingerling.....	1**	3**	....	32	15	20	28	....	....	....	....
Yearling.....	141**	83**	78	123	95	95	79	....	....	....	....
Adult.....	....	1**	....	....	32	1	....	....	....	....	....
TROUT, Lake											
Eggs.....	....	....	12	....	5	....	....	....	....	....	20
Fry.....	....	28	10	....	....	40	....	44	13	....	....
Fingerling.....	2,606	2,612	736	230	374	274	389	370	240	186	1
Yearling.....	415	241	320	39	832	634	653	715	989	950	982
Adult.....	....	....	....	....	9	....	....	8	1	6	1
TROUT, Rainbow											
Fingerling.....	....	**	....	....	....	....	....	102	60	3	141
Yearling.....	....	**	....	....	....	....	....	229	291	173	319
Adult.....	....	....	....	....	....	....	....	....	9	11	15
TROUT, Brook											
Eggs.....	720	50	....	200	....	580	49	30	494	575	400
Fry.....	....	....	35	91	....	....	15	....	....	....	8
Fingerling.....	166	842	1,332	522	789	455	864	764	651	392	506
Yearling.....	2,056	1,991	2,092	2,677	2,079	1,807	1,616	2,052	1,655	1,883	1,726
Legal Size.....	4	16	19	10	10	84	76	73	75	73	112
WHITEFISH											
Eggs.....	42,665	67,165	51,178	13,435	30,940	1,000	12,000	13,875	....	....	....
Fry.....	139,210	102,950	11,130	67,275	47,515	44,985	62,993	53,685	46,575	46,350	27,090
TOTAL.....											
	430,790	286,267	212,410	180,704	142,682	89,880	140,342	102,623	84,401	72,042	48,842

*Figures for 1947-1952 Complied on Fiscal Year Basis.
 **Rainbow Trout Included in Kamloops Trout Plantings.

COMMERCIAL FISHING EQUIPMENT

Year	Licences		Boats		Number of Nets				Freez- ers & Ice Houses		Wharves and Piers	Net Sheds	Total Value \$000's
	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine			
1946	.....	.....	4,244	107	2,205	9,090	1,079	...	1,288	121	525	437	4,764
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	99	486	400	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	92	477	412	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	110	456	395	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	112	477	425	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	105	476	416	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	109	462	474	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	101	493	487	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	116	482	456	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	134	442	447	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	84	426	437	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	91	412	404	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	81	464	425	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	111	564	491	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	105	558	516	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	97	521	476	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	103	525	497	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	93	511	439	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889	15,677	549	493	10,131

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	Value in 1964
Bass, Rock; Crappies..	61	63	67	81	92	127	119	137	177	206	\$ 39
Bass, White.....	4,589	5,795	3,589	1,850	1,444	3,305	3,413	2,491	1,991	1,836	283
Bullheads.....	824	843	762	635	480	467	363	423	740	513	72
Carp.....	1,318	1,906	1,508	1,350	1,519	1,124	1,312	1,124	1,323	938	67
Catfish.....	285	299	272	330	319	321	244	314	300	287	54
Caviar.....	3	2	3	3	1	2	2	2	1	2	6
Chub; Tullibee.....	988	923	796	1,269	1,576	1,865	2,993	2,825	2,329	2,035	333
Eels.....	71	55	103	133	140	130	127	128	175	250	51
Gold Eyes.....	6	84	31	22	15	33	24	34	20	28	5
Herring; Ciscoe.....	936	1,142	1,996	1,917	2,947	2,227	1,853	2,630	2,374	1,993	64
Ling.....	506	451	354	484	432	614	638	623	615	600	8
Menominee, Pilots.....	18	20	23	26	24	63	22	31	20	70	6
Perch.....	5,181	11,843	12,068	16,299	19,968	12,774	18,628	21,659	18,725	9,635	1,730
Pickarel, Blue.....	12,070	12,019	6,398	833	50	5	2	.....	.....	.....	.....
Pickarel, Yellow.....	6,883	11,673	10,609	7,825	4,653	3,702	3,382	3,708	5,108	3,678	1,070
Pike, Northern.....	913	904	914	1,017	993	966	990	976	990	1,134	85
Saugers.....	168	133	103	174	112	85	105	131	136	141	29
Sheepshead.....	840	774	849	1,817	1,419	1,539	1,201	1,117	1,503	831	13
Smelt.....	2,328	4,016	4,666	4,967	7,059	11,666	13,065	19,314	10,705	12,887	327
Sturgeon.....	160	138	174	243	179	184	195	133	132	98	105
Suckers.....	1,395	1,394	1,317	1,509	1,410	1,616	1,595	1,540	1,650	1,450	23
Sunfish.....	370	416	375	276	225	286	271	257	358	358	40
Trout, Lake.....	1,190	641	498	622	522	286	181	208	254	224	84
Whitefish.....	4,452	4,049	3,226	3,278	3,183	3,845	3,907	3,640	3,357	3,229	728
Miscellaneous.....	83	132	413	212	227	163	323	337	1,359	1,086	7
TOTAL.....	45,636	59,717	51,113	47,172	48,992	47,397	54,954	63,784	54,342	43,510	5,230

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1941	3,126	8,951	992	2,148	2,734	542	3,436	4,504	517	26,950	2,147
1942	2,488	10,038	598	2,081	2,163	535	3,362	4,570	546	26,381	3,372
1943	2,281	14,483	487	1,836	2,010	572	3,347	4,961	618	30,595	4,704
1944	2,637	15,256	449	1,460	1,545	487	3,761	4,964	482	30,041	4,389
1945	2,338	18,950	503	1,071	1,524	434	3,812	5,040	606	34,278	6,484
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,336	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,796	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000' s lbs and \$000' s

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	88	150	16	1,922	126	...	442	7	375	3,126	\$ 193
1942	61	220	16	1,087	90	...	442	11	561	2,488	156
1943	147	201	35	857	76	...	329	43	623	2,311	...
1944	179	216	40	1,018	74	...	461	48	601	2,637	425
1945	229	179	44	760	105	...	359	34	628	2,338	385
1946	288	197	35	413	102	...	398	45	581	2,059	317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	1,544	116	2,050	.....	.....	.....	3,359	347	1,535	8,951	\$ 657
1942	4,405	62	965	.....	.....	.....	2,524	421	1,661	10,038	660
1943	9,614	56	711	.....	.....	.....	1,481	453	2,168	14,483	2,132
1944	9,390	336	1,206	.....	.....	.....	1,259	776	2,122	15,256	1,891
1945	6,559	6,445	1,206	.....	.....	.....	1,689	1,068	1,983	18,950	3,699
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	233	189	1,110	209	6	...	93	195	113	2,148	\$ 195
1942	222	362	800	311	6	...	114	176	90	2,081	173
1943	247	329	517	355	3	...	113	167	105	1,836	362
1944	258	129	314	317	5	...	142	154	141	1,460	272
1945	292	100	117	239	4	...	66	138	115	1,071	230
1946	89	104	30	336	7	...	158	122	108	954	151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	47	203	64	1,502	25	1	748	57	87	2,734	\$ 276
1942	30	58	52	1,274	36	...	584	55	74	2,163	223
1943	24	69	168	1,066	34	...	442	69	138	2,010	485
1944	19	110	55	815	30	1	364	56	95	1,545	380
1945	38	104	103	738	25	1	279	38	198	1,524	389
1946	46	25	21	696	25	1	246	44	188	1,292	332
1947	21	21	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	81	1,433	1,298	...	...	2	315	115	192	3,436	\$ 274
1942	11	1,392	1,361	...	...	2	320	92	184	3,362	272
1943	48	1,290	1,323	...	...	2	336	188	160	3,347	511
1944	53	1,481	1,553	...	...	1	403	96	174	3,761	530
1945	57	1,708	1,479	...	...	1	359	98	110	3,812	696
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249

Yield of Ontario Fisheries by Species -- NORTHERN INLAND -- in 000' s lbs and \$000' s

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	...	165	869	..	59	117	1,328	1,494	472	4,504	\$ 429
1942	...	197	950	..	54	118	1,366	1,431	454	4,570	466
1943	...	228	889	..	97	221	1,435	1,503	588	4,961	687
1944	...	183	831	..	120	170	1,544	1,655	461	4,964	744
1945	...	142	830	..	108	240	1,490	1,556	674	5,040	898
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047

NEW POLICIES

[illegible]

FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees... the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C. R. Mills and G. E. Ponsford, respectively. J. A. Brodie acted for Mr. Mills during his absence on war service.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

J. M. Whalen was appointed Chief on June 14th, 1963.

FOREST PROTECTION BRANCH

Chief: J. M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T.C. Cooke

Procurement, Operation and Maintenance of
fleet of aircraft
Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION*			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1950	1,624	1,937	3,561	\$ 16,244	\$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538	\$ 55,148	\$103,682
1951	29,401	188	29,590	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,337	1,427	9,764	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965**	7,577	1,166	8,743	.....	.....	256,950	.....	.....	37,850	294,800	69,428

* Protection Charges, 1950-1955.

**Preliminary report to December 1, 1965.

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Average Acreage
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965*	14,948	4,956	19,904	1,218	16

*Preliminary report to December 1, 1965.

1965 FOREST FIRES

Honorary Fire Wardens	DISTRICT	Acres Burned	Number of Fires	Average Acreage
229	Chapleau	9	8	1.1
370	Cochrane	615	16	38.4
251	Fort Frances.....	9	21	.4
342	Geraldton.....	9,582	32	299.4
40	Gogama.....	1,386	18	77.0
317	Kapuskasing.....	18	15	1.2
...	Kemptville.....	389	19	21.6
276	Kenora.....	694	88	7.9
...	Lake Erie.....	...	..	...
50	Lake Huron.....	...	5	..0
41	Lake Simcoe.....	1	6	.2
162	Lindsay.....	152	50	2.6
483	North Bay.....	391	104	3.8
378	Parry Sound.....	305	177	1.7
235	Pembroke.....	250	110	2.3
322	Port Arthur.....	2,474	48	51.5
235	Sault Ste. Marie	39	29	1.3
124	Sioux Lookout...	1,031	59	17.5
375	Sudbury.....	1,569	234	6.7
380	Swastika.....	213	21	10.1
191	Tweed.....	748	136	5.5
282	White River.....	29	13	2.2
5,083	TOTAL.....	19,904	1,218	16.3
MONTHS				
	April.....	436	85	5.1
	May.....	2,731	431	6.3
	June.....	11,612	302	38.5
	July.....	2,031	189	10.7
	August	2,968	193	15.4
	September	100	11	9.1
	October	24	5	4.8
	November.....	2	2	1.0

*Preliminary report to December 1, 1965.

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1954	1955	1956	1957	1958	1959	1960	1961	ORIGIN	1962	1963	1964	*1965.
Land Clearing.....	42	148	49	125	123	52	55	80	Residents.....	146	313	244	191
Camping.....	221	390	196	379	325	323	265	295	Recreation...	592	811	601	406
Smokers.....	147	298	145	342	371	159	116	201	.....	.....	.....	.....	...
Railways.....	82	189	122	176	149	67	49	62	Railways.....	76	93	75	129
Road Construction.	11	13	34	73	63	12	18	15	.....	.....	.....	.....	...
Logging.....	13	53	22	39	17	25	20	19	Industry.....	75	77	75	75
Mining.....	3	11	6	7	1	2	2	2	.....	.....	.....	.....	...
Prospectors.....	2	11	8	3	1	4	1	1	.....	.....	.....	.....	...
Incendiary.....	25	31	8	26	43	13	12	31	Incendiary...	38	36	36	15
Miscellaneous.....	74	148	123	194	229	116	97	143	Miscellaneous	289	216	198	190
Unknown.....	9	32	2	32	17	14	11	11	Unknown.....	10	20	9	10
Lightning.....	252	928	302	275	219	242	310	445	Lightning....	295	319	591	202
Total.....	881	2,252	1,017	1,671	1,558	1,027	956	1,305	TOTAL...	1,521	1,885	1,829	1,218
Man Caused - Total	629	1,324	715	1,396	1,339	785	646	860	Man-Caused...	1,226	1,566	1,238	1,016
Percentage...	71	59	70	84	86	76	68	66	.....%age	81	83	68	83
Prosecutions.....	.....	.....	62	55	71	38	31	54	Prosecutions..	48	71	22	37
Convictions.....	.....	.....	56	41	62	35	30	47	Convictions..	43	65	22	34

*Preliminary report to December 1, 1965.

MEANS OF DETECTION		1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	*1965	
Lands & Forests Towers.....		344	528	353	891	262	575	581	414	304	419	555	620	611	414	
Lands & Forests Aircraft....		139	216	126	395	189	202	121	91	158	246	131	206	178	115	
Commercial Aircraft.....		...	...	...	...	...	...	...	...	...	...	...	97	55	...
Private Aircraft.....		...	...	...	...	...	...	...	...	...	...	...	19	34	...
Lands & Forests Personnel...		82	122	46	102	57	141	87	66	63	74	92	92	116	69	
Other Prov. Govt. Employees.		...	...	...	...	...	...	...	...	...	...	...	27	41	...
Public.....		530	654	356	864	509	753	769	458	431	566	743	824	794	620	
SIZE		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	*1965
1/4 acre		329	391	500	354	846	395	575	490	470	416	502	670	696	845	578
1/4-10 acres.....		428	581	821	428	1,124	502	861	861	493	448	639	744	949	829	554
10-100 acres.....		115	103	146	81	188	66	187	178	56	59	112	84	201	122	70
100-500 acres.....		21	16	33	9	52	26	37	20	9	23	12	17	30	22	13
Over 500 acres.....		11	4	20	9	42	28	11	9	1	10	40	6	9	11	3

*Preliminary report to December 1, 1965.

FOREST PROTECTION PERMITS

Year	Fire Permits	WORK PERMITS		TRAVEL PERMITS	
		Permits	Men	Permits	Persons
1926	13,466	.....	.....	.....	.....
1927	13,593	.....	.....	6,548	15,669
1928	13,611	.....	.....	15,406	42,566
1929	14,038	.....	.....	20,738	51,443
1930	15,094	.....	.....	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	.....	.....	9,774	28,606
1936	18,964	.....	.....	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,354

MAJOR EQUIPMENT March 31st

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Portable Power Pumps	1,062	1,097	1,218	1,215	1,255	1,396	1,271	1,225	1,201	1,145	1,117	1,053
Portable Hand Pumps.	6,406	6,362	7,907	7,899	8,712	8,336	8,344	8,237	7,977	8,159	7,873	7,865
Hose (000's Feet)...	2,826	2,714	3,319	3,312	3,890	3,551	3,712	3,664	3,483	3,230	3,424	3,212
Tents.....	2,030	1,997	2,376	2,469	2,438	2,483	2,391	2,433	2,618	2,542	2,618	2,502
Eiderdowns.....	....	1,365	1,506	1,538	1,597	1,671	1,739	1,750	1,780	1,828	1,764	1,876
Blankets.....	30,314	32,668	31,582	29,288	29,505	29,024	30,540	31,946	33,756	36,075	37,033	38,071
Binoculars.....	575	573	642	609	615	647	659	661	668	691	676	718
Canoes.....	1,061	1,114	1,087	1,073	1,052	1,005	954	930	922	868	859	816
Boats (Outboard)....	379	418	434	459	493	519	534	538	568	570	584	652
Motors (Outboard)...	690	752	771	771	800	785	809	807	834	837	841	884
Boats (Inboard).....	61	55	64	60	59	48	44	42	31	40	38	33
Barges and Scows....	....	....	....	4	6	7	6	9	6	5	5	6
Trucks and Autos....	730	715	786	751	861	918	905	945	949	967	988	979
Trailers.....	....	107	141	166	205	249	263	277	282	302	305	325
Tractors.....	93	101	121	134	312	186	184	194	198	214	211	216
Railway Motor Cars...	49	45	47	46	44	44	42	41	42	38	36	35
Velocipedes.....	....	....	....	24	24	22	20	18	16	16	14	13
Snowmobiles.....	....	7	8	10	14	10	13	14	16	22	29	40
Radio Sets, Stations	686	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247
Steel Towers.....	279	280	288	292	302	308	315	318	323	323	323	323

REPORT OF MAJOR EQUIPMENT as of March 31, 1965

LOCATIONS	Portable Pumps		(00' s ft)		Blankets	Tents	Sleeping Bags		Binoculars	Canoes	Boats		Out-Bd. Mtrs	Mtr vehicles	Trailers	Tractors	Rly		* S	* E
	Power	Hand	Flre	Hose			Bags	Occul			Mtr Bd.	In-Bd.					Mtr Cars	V		
Aylmer.....	10	107	222		47	...	6	34	2	22	6		18	53	19	14	..	..	..	..
Chapleau.....	40	211	1,266		2,679	123	69	21	39	12	..		26	30	9	5	..	..	..	..
Cochrane.....	58	419	1,669		2,330	142	83	37	42	15	4		45	35	11	6	7	..	..	..
Fort Frances....	39	111	1,076		1,241	98	89	24	34	28	2		37	25	11	4	..	..	..	..
Geraldton.....	77	452	2,053		2,592	196	37	42	48	19	2		40	41	8	7	4	3	..	..
Gogama.....	35	189	1,061		1,477	73	40	21	33	12	..		25	24	8	7	5	..	..	..
Hesper.....	15	216	307		.....	3	7	24	1	17	..		17	43	25	12	..	..	..	..
Kapuskasing.....	22	452	1,335		1,545	114	55	34	48	9	..		37	37	11	6	6	6	..	..
Kemptville.....	14	107	1,369		25	5	13	18	2	28	1		20	29	11	14	..	..	..	..
Kenora.....	67	312	1,579		1,556	120	45	27	36	30	4		34	48	8	8	..	..	..	..
Lindsay.....	48	395	1,145		657	42	41	29	25	42	..		44	55	28	16	..	..	..	..
Maple.....	30	266	1,590		286	17	8	40	66	28	..		35	61	22	30	..	..	..	..
North Bay.....	46	326	1,081		1,855	125	99	40	40	42	1		48	47	7	8	..	..	..	..
Parry Sound.....	43	280	1,174		801	61	88	36	41	44	2		49	46	16	5	..	1	..	..
Pembroke.....	40	297	1,106		2,149	111	112	23	62	39	..		50	52	14	10	4	..	..	..
Port Arthur.....	52	388	2,085		2,414	186	122	37	55	22	1		43	48	12	9	..	..	..	..
Sault Ste. Marie	71	622	2,474		3,508	194	75	26	54	23	1		34	59	18	3	..	..	..	..
Sioux Lookout....	71	450	2,206		2,347	208	94	21	156	24	1		67	31	7	3	..	..	..	..
Sudbury.....	58	437	3,811		2,116	142	93	40	55	29	7		50	47	12	7	1	2	..	..
Swastika.....	26	252	1,277		1,672	88	108	25	33	28	..		24	35	20	7	..	..	..	..
Tweed.....	43	249	864		514	57	62	40	15	50	1		51	45	23	4	..	..	..	..
White River.....	37	269	1,123		1,459	94	43	17	54	13	..		28	26	10	4	2	..	..	..
Central.....	28	268	881		1,666	35	87	..	1	1	..		2	1	..	..	..	..	..	..
South-Central....	..	..	.....		.....	...	1	..	..	..	..		..	..	..	..	..	..	..	..
Western.....	..	..	.....		.....	...	..	..	..	..	..		..	..	..	..	..	..	..	..
Mid-Western.....	43	245	160		1,296	100	2	..	..	..	..		..	..	..	..	..	..	..	..
South-Eastern....	..	..	.....		3	..	3	..	..	..	..		..	..	..	..	..	..	..	..
Northern.....	14	515	1,031		1,090	52	..	1	..	..	..		..	..	1	3	..	..	..	..
South-Western....	..	..	26		.....	1	..	..	..	..	..		..	5	..	..	..	..	..	..
Ranger School....	11	30	145		667	6	1	4	22	6	..		5	4	1	3	..	..	..	..
Air Service.....	..	..	.....		.....	...	118	..	1	2	..		5	2	..	2	..	..	..	..
Head Office.....	15	..	6		98	108	275	..	38	32	..		50	53	13	9	..	..	..	..
TOTAL.....	1,053	7,865	32,122		38,071	2,502	1,876	718	816	652	33		884	979	325	216	35	13	40	..

**Includes Research Branch.

*V - Velocipedes; S - Snow Vehicles; B - Barges.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Fifteen Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

In 1963, two water-dropping buckets (45 and 75 gallons) were developed for use with leased helicopters; a 200-gallon tank was installed on an Otter.

The first two of the new Turbo-Beavers were delivered in January, 1965. Four more were purchased later in the year.

T. C. Cooke was appointed Supervisor on August 1, 1965.

Air Service Summary -- HOURS FLOWN in years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter- Dept.	Photo	Mercy Flights	Miscel- laneous	TOTAL
1924- 1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	13,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	310	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	372	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
Total:	179,280	18,792	48,102	663	3,606	2,657	4,664	6,089	2,700	1,124	115,821	383,498:00

*Research includes Entomology.

AIR SERVICE SUMMARY (Continued)

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Personnel Carried	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
Total:	..	652,668	176,284	102,174	146

Hours Flown by HELICOPTERS in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,908:50

PILOTS' FLYING TIME March 31, 1965

PILOTS		1924-64	1964-65	TOTAL
Allen	D.W.	3,784:55	473:40	4,258:35
Ballantyne	D.E.	2,631:00	369:10	3,000:10
Beaushene	G.D.	4,475:00	457:00	4,932:00
Bieck	A.H.	2,350:30	361:40	2,712:10
Burt	A.E.	9,045:45	328:30	9,374:15
Calver	D.R.	3,861:45	472:15	4,334:00
Campbell	G.E.	5,901:25	567:10	6,468:35
Colfer	A.P.	8,041:55	693:55	8,735:50
Cooke	T.C.	8,444:50	57:30	8,502:20
Cram	W.W.	1,828:20	291:20	2,119:40
Croft	B.R.	2,158:30	314:35	2,473:05
Croal	D.M.	2,724:15	593:45	3,318:00
Culliton	J.E.	757:15	346:20	1,103:35
Denley	J.G.	8,139:40	267:00	8,406:40
Evans	F.B.	5,139:00	286:25	5,425:25
Fiskar	U.W.	4,927:30	430:15	5,357:45
Glennie	N.A.	3,535:15	322:45	3,858:00
Hoar	H.A.	3,385:35	193:05	3,578:40
Hoeberg	P.S.	3,888:50	354:30	4,243:20
Howe	F.R.	100:50	262:05	362:55
Kincaid	J.	8,476:05	103:35	8,579:40
Kirk	C.J.	5,333:05	303:00	5,636:05
Lamont	J.A.	4,417:05	325:20	4,742:25
LeFeuvre	C.J.	9,916:25	425:00	10,341:25
Lowe	B.	2,037:55	220:45	2,258:40
Marych	E.	.....	284:35	284:35
McLeod	A.K.	.....	105:30	105:30
McNabb	D.D.	.....	244:50	244:50
MacDougall	F.A.	5,393:20	93:40	5,487:00
North	D.H.	1,727:10	211:50	1,939:00
Parsons	R.	7,992:45	160:20	8,153:05
Pike	S.J.	1,032:45	651:15	1,684:00
Reid	D.M.	5,288:25	232:20	5,520:45
Siegel	J.	5,845:40	352:20	6,198:00
Speight	H.C.	8,973:45	565:35	9,539:20
Taylor	J.M.	3,627:25	83:15	3,710:40
Thomas	E.	4,265:55	256:35	4,522:30
Thompson	F.J.	3,493:10	348:50	3,842:00
Turcotte	L.J.	1,941:25	487:45	2,429:10
Weisflock	E.J.	.....	348:00	348:00
Other Pilots		206,277:25		206,277:25
Total Hours		371,161:50	13,247:15	384,409:05

AIRCRAFT SERVICE RECORD, March 31, 1965

46 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1964-65	FLYING HOURS	
			1964-65	1924-65
33 BEAVER				
CF-0BS	1948	58	238:50	6,189:15
CF-0BY	1948	35	84:00	4,490:55
CF-0BZ	1948	98	70:55	5,175:00
CF-0CA	1948	49	209:30	4,688:45
CF-0CB	1948	72	317:00	5,756:40
CF-0CC	1948	258	552:40	5,237:50
CF-0CD	1948	70	254:15	4,621:55
CF-0CE	1949	167	323:45	5,610:45
CF-0CG	1949	61	175:05	4,241:40
CF-0CH	1949	97	320:50	5,030:50
CF-0CJ	1949	182	486:20	4,774:20
CF-0CK	1949	93	314:00	4,955:35
CF-0CL	1949	48	191:00	4,358:25
CF-0CN	1949	140	284:50	5,332:35
CF-0CO	1949	113	291:40	5,295:25
CF-0CP	1949	153	445:25	5,890:40
CF-0CQ	1949	120	508:50	5,779:00
CF-0CS	1949	36	158:25	4,880:40
CF-0CT	1949	100	358:25	5,393:30
CF-0CU	1950	133	368:20	5,062:40
CF-0CV	1950	64	241:00	4,572:25
CF-0CX	1950	97	385:20	4,529:10
CF-0CY	1950	94	409:35	4,438:30
CF-0CZ	1950	83	282:40	3,534:00
CF-0DA	1951	21	126:30	3,943:55
CF-0DB	1951	74	343:50	4,911:00
CF-0DC	1951	39	265:35	5,613:55
CF-0DD	1951	106	366:50	1,829:25
CF-0DE	1951	20	169:05	3,741:30
CF-0DF	1952	81	271:05	3,975:20
CF-0DG	1952	105	541:45	4,968:20
CF-0DO	1955	6	94:10	1,047:35
CF-0DS	1956	20	117:20	907:50
10 OTTER				
CF-0DJ	1953	190	386:55	3,744:20
CF-0DK	1953	97	205:00	2,979:40
CF-0DL	1953	510	300:35	3,514:35
CF-0DP	1956	180	242:00	2,424:00
CF-0DQ	1956	201	351:10	2,830:10
CF-0DU	1960	305	345:40	1,599:05
CF-0DV	1961	186	564:15	2,235:55
CF-0DW	1961	330	354:20	1,364:50
CF-0DX	1962	213	273:55	688:55
CF-0DY	1962	233	299:00	633:25
WIDGEON				
CF-0DR	1956	20	212:50	1,973:40
2 TURBO-BEAVER				
CF-0EA	1965	18	100:40	100:40
CF-0EB	1965	8	42:05	42:05
All Other Aircraft		...	.....	208,537:20
TOTAL		5,434	13,247:15	383,468:00

AIR SERVICE BASE OPENING DATES (or First Float Flying)

*Year Round Base

BASE	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
* Algonquin Park...	29 April	4 May	1 May	4 May	3 May	6 May	7 May	5 May	21 April	26 April	8 May
Caribou Lake.....	27 May	25 May	21 May	24 May	17 May	24 May	15 May	19 May	10 May	5 May	5 June
Biscotasing.....	15 May	14 May	14 May	14 May	8 May	2 May	12 May	7 May	2 May	27 April	17 May
Fort Frances.....	.....	15 May	3 May	19 May	13 May	11 May	11 May	15 May	2 May	29 April	12 May
Goose Island.....	16 May	20 May	17 May	19 May	25 May	.....	.....	.....	.....	.....	.....
Ignace.....	3 July	16 May	15 May	19 May	17 May	14 May	12 May	18 May	1 May	29 April	18 May
Kenora.....	10 May	11 May	10 May	18 May	15 May	12 May	9 May	15 May	30 April	29 April	12 May
Oba Lake.....	16 May	19 May	20 May	24 May	7 May	9 May	16 May	22 May	13 May	1 May	18 May
Orient Bay.....	10 June	26 May	23 May	24 May	10 May	14 May	19 May	28 May	12 May	8 July	28 May
Pays Plat.....	.....	.....	.....	.....	.....	.....	14 May	9 May	1 May	4 May	11 May
Pickle Lake.....	.....	.....	.....	28 May	27 May	18 May	29 May	24 May	14 May	.....	.....
Port Arthur.....	6 May	12 May	3 May	15 May	27 April	14 May	12 May	9 May	1 May	29 April	11 May
Red Lake.....	.....	.....	.....	.....	.....	16 May	13 May	23 May	10 May	4 May	22 May
Remi Lake.....	.....	25 May	23 May	1 June	14 May	16 May	22 May	29 May	17 May	5 May	21 May
* Sault Ste. Marie.	21 April	24 April	2 May	1 April	.....	21 April	28 April	2 May	.....	24 April	10 May
Sioux Lookout....	10 May	16 May	16 May	18 May	13 May	5 May	11 May	18 May	1 May	29 April	17 May
Sudbury.....	3 May	8 May	2 May	8 May	4 May	30 April	5 May	4 May	30 April	29 April	7 May
Temagam.....	.....	.....	.....	.....	.....	3 May	13 May	7 May	3 May	29 April	18 May
Twin Lakes.....	14 May	26 May	21 May	1 June	18 May	16 May	18 May	23 May	12 May	5 May	19 May
Whitefish Lake....	15 May	19 May	16 May	.....	.....	.....	.....	.....	.....	.....	.....

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round BaseBASE[illegible]

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base

BASE	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
* Algonquin Park...	21 April	11 May	25 April	23 April	5 May	2 May	4 May	3 May	24 April	7 May	15 May
* Carey Lake.....	30 April	27 May	7 May	9 May	12 May	23 May	10 May	13 May	9 May	13 May	13 May
* Caribou Lake.....	1 May	1 June	13 May	15 May	15 May	22 May	20 May	25 May	20 May	11 May	17 May
* Chapleau.....	22 April	14 May	3 May	24 April	4 May	11 May	4 April	7 May	29 April	1 May	7 May
* Eva Lake.....	28 April	16 May	6 May (Moved to Nym Lake)								
* Fort Frances.....	27 April	16 May	29 April	18 April	28 April	4 May	1 May	1 May	25 April	4 May	4 May
* Geraldton.....	27 April	17 May	7 May	5 May	10 May	18 May	11 May	16 May	7 May	7 May	11 May
* Gogama.....	22 April	14 May	1 May	28 April	6 May	5 May	10 May	7 May	1 May	1 May	7 May
* Ignace.....	28 April	16 May	6 May	2 May	8 May	12 May	11 May	11 May	8 May	8 May	13 May
* Kenogami Lake...	26 April	22 May	10 May	4 May	12 May	18 May	13 May	10 May	8 May	4 May	12 May
* Kenora.....	27 April	17 May	6 May	15 April	30 April	12 May	11 May	9 May	6 May	8 May	3 May
* Lauzon Lake.....	19 April	7 May	29 April	17 April	20 April	2 May	26 April	26 April	22 April	30 April	4 May
* Nym Lake.....				2 May	8 May	12 May	12 May	16 May	8 May	8 May	11 May
* Oba Lake.....	28 April	16 May	9 May	4 May	11 May	23 May	11 May	15 May			
* Orient Bay.....	1 May	1 June	13 May (Moved to Port Arthur)								
* Parry Sound.....	18 April	3 May	28 April	21 April	27 April	27 April	26 May	25 April	22 April	23 April	4 May
* Pays Plat.....	4 May	15 May	6 May	2 May	8 May	12 May	10 May	11 May	23 April	8 May	11 May
* Pembroke.....											
* Pickle Lake.....	6 May	1 June	13 May	16 May	15 May		4 May	26 April	23 April	25 April	4 May
* Port Arthur.....	22 April	30 April	29 April	30 April	24 April	20 May	19 May	16 May	17 May	17 May	13 May
* Red Lake.....	28 April	19 May	9 May	2 May	14 May	16 May	29 April	2 May	5 May	5 May	11 May
* Remi Lake.....	29 April	21 May	6 May	7 May	12 May	19 May	11 May	15 May	8 May	10 May	12 May
* Sault Ste. Marie	19 April	3 May	29 April	26 March	8 April	11 April	4 April	2 April	9 May	6 May	12 May
* Sioux Lookout...	27 April	19 May	10 May	1 May	14 May	16 May	16 May	8 May	3 April	3 April	
* South Porcupine.	27 April	15 May	6 May	2 May	8 May	16 May	11 May	9 May	2 May	7 May	10 May
* Sudbury.....	19 April	9 May	1 May	18 April	1 May	4 May	10 May	27 April	24 April	28 April	8 May
* Temagami.....	26 April	17 May	3 May	2 May	8 May	11 May	17 May	9 May	1 May	4 May	14 May
* Toronto.....	22 April	20 April	22 April	20 April	28 April	28 April	19 April	6 April	17 April	20 April	
* Tweed.....							25 April	25 April	18 April	23 April	4 May
* Twin Lakes.....	6 May	17 June	10 May	13 May	15 May	25 May	21 May	22 May	15 May	11 May	13 May
* White River.....	29 April	21 May	10 May	2 May	12 May	20 May	12 May	15 May	15 May	10 May	11 May

DEPARTMENT RADIO STATIONS

DISTRICT	STATION	CALL SIGN	NORMAL OPERATING FREQUENCIES	
			H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances	XLN21	4460	46.62
	Lac La Croix	XLN22	"	"
	Atikokan	XLQ71		"
	Rainy River	XLR59		"
	French Lake	XMN23		"
	Nym Lake	XLN234	"	"
	Cache Bay	XLN233	"	"
	Prairie Portage	XLN232	"	"
	Cabin 16	XLN29	"	"
	Beaverhouse Lake Cabin	XLN275	"	"
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	"	"
	Sioux Narrows	XLR42	"	"
	Dryden	XLN35	"	"
	Nestor Falls	XLN24		"
	Vermillion Bay	XLS87		"
	Dymont	XL096		"
SIOUX LOOKOUT	Sioux Lookout	XLN37	4460	46.86
	Red Lake	XLN43	"	"
	Pickle Lake	XLN38	"	"
	Ear Falls	XMN50	"	"
	Big Trout Lake	XLR62	"	"
	Ignace	XLN23	"	"
PORT ARTHUR	Port Arthur	XLN45	4580	46.70
	Shebandowan	SLN47	"	"
	Black Sturgeon Lake	XLN48	"	"
	Upsala	XLN217	"	"
	Saganaga Lake	XLN218	"	"
	Dorion	XMN78		"
	Armstrong	XLN40	"	"
	Sibley Park	XLN285		"
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	"	"
	Marathon	XLN54	"	"
	Killala Lake	XLN55	"	"
	Hillsport	XLQ46	"	"
	Nakina	XLS53	"	"
	Longlac	XLS52	"	"
	Macdiarmid	XLN49	"	"
WHITE RIVER	White River	XLQ78	4880	46.62
	Franz	XLN62	"	"
	Wawa	XLN63	"	"
	Mobert	XLN61	"	"
	Manitouwadge Lake	XMN25	"	"

SAULT STE. MARIE	Sault Ste. Marie	XLN58	4880	46.78
	Blind River	XLN65	"	"
	Ranger Lake	XLN261	"	"
	Elliot Lake	XLN264	"	"
	Peshu Lake	XLQ41	"	"
	Sand Lake	XLQ77	"	"
	Pancake Bay	XLR39	"	"
	Kirkwood	XLP44	"	"
	Mount Lake	XLR69	"	"
	Camp 4	XLR70	"	"
GOGAMA	Gogama	XLN78	4880	46.82
	Elsas	XLN79	"	"
	Foleyet	XLN84	"	"
	Opishing Lake	XLN42	"	"
	Ronda	XLP69	"	"
	Marne Lake	XLN283	"	"
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	"	"
	Sultan	XLQ73	"	"
	Biscotasing	XLN80	"	"
	Unegam Lake	XLN205	"	"
	Racine Lake	XMN77	"	"
	Wrong Lake	XLP46	"	"
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XLQ80	"	"
	Espanola	XLQ44	"	"
	Jamot	XLR30	"	"
	Massey	XLR29	"	"
	Windy Lake	XLR67	"	"
	Southbaymouth	XLS86	"	"
	Sandfield	XLR68	"	"
	Stinson	XLN239	"	"
	Fairbank Lake	XLN39	"	"
	George Lake	XLS85	"	"
	Little Current	XMN24	"	"
	Panache Lake	XLN279	"	"
KAPUS- KASING	Kapuskasing	XLP78	4535	46.86
	Hearst	XLN69	"	"
	Hornepayne	XLN73	"	"
	Oba	XLN74	"	"
	Nagogamisis Lake	XLN237	"	"
	Remi Lake Park	XLN288	"	"
	Rogers Township	XLR71	"	"
COCHRANE	Cochrane	XLQ37	4535	46.78
	Timmins	XLN70	"	"
	Eades	XLN71	"	"
	Wade Lake	XLQ45	"	"
	Moosonee	XMN43	"	"
	Smooth Rock Falls	XLQ76	"	"
	Nellie Lake	XLN208	"	"
	Kettle Lakes Park	XLN209	"	"

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	"	"
	Matheson	LS54	"	"
	Larder Lake	XLN95	"	"
	Matachewan	XLN60	"	"
	Gowganda	XL090	"	"
	Hills Lake	XL089	"	"
	Englehart	XLR64	"	"
	Burt Twp. Nursery	XLN212	"	"
NORTH BAY	North Bay	XLN83	"	"
	Temagami	XLN81	"	"
	Lady Evelyn Lake	XLN42	"	"
	Latchford	XLN252	"	"
	McConnell Lake	XLN246	"	"
	Bear Island	XLN251	"	"
	Haddo	XLP45	"	"
	Devils Lake	XLN253	"	"
	Field	XLN247	"	"
	Samuel de Champlain	XLN270	"	"
PEMBROKE	Marten River	XLN274	"	"
	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	"	"
	Brent	XLN91	"	"
	Stonecliffe	XLN94	"	"
	Whitney	XLQ43	"	"
	Achray	XLQ47	"	"
	Round Lake	XLR40	"	"
	Kiosk	XLN50	"	"
	Sasajewun Lake	XLN51	"	"
PARRY SOUND	Swan Lake	XLN59	"	"
	Parry Sound	XLN89	4520	46.62
	Loring	XLN93	"	"
	Powassan	XMN35	"	"
	Byng Inlet	XL524	"	"
	Ardbeg	XMN33	"	"
	Dorset	XMN34	"	"
	Bracebridge	XMN75	"	"
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	"	"
	Palmer Rapids	XLR41	"	"
	Dacre	XLS23	"	"
	Plevna	XLN53	"	"
	Gilmour	XMN40	"	"
	White Lake	XLP75	"	"
	Napanee	XLQ31	"	"
	Green Lake	XLR61	"	"
	Bon Echo Park	XLN286	"	"
LINDSAY	Outlet Park	XLN286	"	"
	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	"	"
	Gooderham	XMN27	"	"
	Orono	XMN29	"	"
	Haliburton	XLR43	"	"
	Presqu'ile Park	XLN46	"	"

LINDSAY (Continued)	Apsley	XMN44	4775	46.78
	Ranger School	XLN25	"	"
	Darlington Park	XLN280	"	"
	Balsam Lake Park	XLN289	"	"
KEMPTVILLE	Kemptville	XMN41	4775	46.62
	La Rose	XMN51	"	"
	Westport	XLQ 54	"	"
	Fitzroy Park	XLN272	"	"
	Lanark	XL087	"	"
LAKE ERIE	Aylmer	XL052	4520	46.62
	Holiday Beach Park	XLN267	"	"
	Wheatley	XLN268	"	"
	St. Williams	XMN28	"	"
	Rondeau Park	XLR60	"	"
	Pinery Park	XLP90	"	"
LAKE SIMCOE	Coldwater	XMN36		46.82
	Severn Falls	XMN37		"
	Honey Harbour	XMN39		"
	Six Mile Lake	XLR85		"
	Angus	XLN269		"
	Sibbald Point Park	XLN284		"
	Bass Lake Park	XLN287		"
LAKE HURON	Hespeler	XLN271		46.70
	Miller Lake	XLN276		"
	Owen Sound	XLN41		"
	Inverhuron Park	XLN61		"
HEAD OFFICE Toronto	Island Airport	XL053	4775	46.82
	Maple Laboratory	XLN20	"	"
	Maple	XLP22	3376	46.62
			4520	46.70
			4535	46.74
			4775	46.78
			4880	46.82
			5410	46.86
			5499	
			9160	

Maple frequently uses 5410 and 9160 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s.
V.H.F.--46.74 Mc/s.

DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

NEW POLICIES

[illegible]

NEW POLICIES

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of

North America	1764-1801	Surveyor-General
Sir D. W. Smith	1802-1804	Surveyor-General
C. B. Wyatt	1805-1807	Surveyor-General
Thomas Ridout	1810-1829	Surveyor-General
Hon. S. P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R. B. Sullivan	1838-1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
* G. B. Kirkpatrick	1880-1917	Director of Surveys
* L. V. Rorke	1918-1928	Director of Surveys
† L. V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
‡ C. H. Fullerton	1936-1946	Surveyor-General
F. W. Beatty	1946-1962	Surveyor-General
Robert G. Code	1962-	Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962. Land Acquisition Section was created in 1963.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Supervisor: T. W. Hueston

Management of public lands including lands under water. Disposal by sale, patent, vesting order, quit claim deed, lease, licence of occupation or land use permit for many private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for parks, access points, other public and government uses.

SURVEYS SECTION

Supervisor: S. B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

LAND USE PLANNING SECTION

Supervision of the preparation of Land Use plans. Wilderness Areas. Advisory Committee on Recreational Land Use Planning. Private Lands Liaison Committee.

LAND ACQUISITION SECTION

Supervisor: W. G. Maslen

Recommendations and applications for purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 205 township subdivision surveys have been annulled, as of December 30th, 1964, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to September 30, 1965, a total of 644 plans of subdivision for summer resort purposes have been registered, covering 7,719 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1965, the total installed capacity of power plants under lease and in service is 4,673,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,218,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND USE PLANNING SECTION

Created in 1958 to supervise and co-ordinate the functioning of land use planning. Recommendations for the establishment of Wilderness Areas including Nature Reserves are processed. The Recreational Land Use Planning Advisory Committee was established by Order-in-Council to advise on recreational planning in the departmental administrative districts. The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

LAND ACQUISITION SECTION

Created in 1963 this section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174*	7,969	12,081	22,224

* Figures based on year ended December 31, 1964.

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri-cultural	Summer Resort	Town, City Townplot	Quit Claims	Misc	Total
1921	500	307	30	30			867
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357	399	22	73			851
1925	367	329	45	115			856
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188	122	70			495
1934	154	173	112	69			528
1935	46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938	165	213	165	53			603
1939	130	178	129	122			590
1940	151	148	106	106			527
1941	154	172	126	86			552
1942	131	137	98	85			474
1943	181	161	127	50			541
1944	218	359	231	76			954
1945	226	315	206	108			929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948	164	299	446	153			1,062
1949	107	225	756	146			1,421
1950	196	316	1,046	182			1,927
1951	150	256	1,125	143			1,849
1952	165	242	1,294	90			1,948
1953	120	256	1,263	126			1,935
1954	136	256	1,312	99			1,957
1955	87	188	1,479	70			1,987
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958	13	150	962	69			1,346
1959	36	118	1,220	104			1,587
1960	44	109	1,946	102			2,368
1961	29	108	1,841	94			2,231
1962	25	94	2,234	108	40	158	2,659
1963	30	84	1,418	106	23	146	1,807
1964	18	88	1,088	70	24	140	1,428
1965	11	62	977	46	22	128	1,246

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri-cultural	Summer Resort	City, Town Townplot	Quit Claims	Misc.	Total
1921	60,181	31,391	155	49			91,776
1922	64,813	43,120	70	90			108,093
1923	54,350	56,953	55	45			111,403
1924	52,423	49,471	72	25			101,991
1925	49,228	41,777	101	31			91,137
1926	47,115	47,493	58	35			94,701
1927	33,882	42,326	31	37			76,276
1928	35,903	31,069	55	127			67,154
1929	30,185	41,035	31	34			71,285
1930	33,243	51,059	400	112			84,814
1931	27,310	49,310	526	135			77,281
1932	19,334	40,276	360	81			60,051
1933	12,053	22,087	378	612			36,439
1934	19,662	22,749	366	18			42,837
1935	5,707	7,329	128	10			13,282
1936	21,340	22,999	349	43			44,777
1937	14,658	12,331	423	24			27,523
1938	20,490	27,266	402	122			48,418
1939	17,569	20,575	523	130			40,817
1940	18,206	17,236	522	126			36,279
1941	16,064	20,154	469	20			36,849
1942	14,973	15,798	361	31			33,308
1943	20,387	18,615	422	18			41,430
1944	28,611	43,846	660	32			76,920
1945	29,266	36,308	1,526	50			70,993
1946	26,068	36,683	781	130			74,158
1947	21,669	52,190	1,765	175			89,072
1948	22,119	32,930	1,154	166			56,369
1949	14,360	26,435	1,985	67			55,979
1950	24,287	35,484	2,616	112			118,960
1951	19,826	28,105	2,205	94			55,702
1952	21,412	26,474	3,364	38			58,606
1953	29,319	29,319	2,287	69			54,738
1954	29,124	29,124	2,169	63			55,237
1955	21,266	21,266	2,438	27			40,020
1956	7,502	12,206	1,588	1,613			29,183
1957	5,259	14,883	1,411	830			27,558
1958	1,847	15,472	1,350	323			24,612
1959	4,658	12,206	1,588	52			21,060
1960	5,910	11,380	2,011	295			29,970
1961	3,701	11,633	1,933	182			22,388
1962	2,670	10,267	2,415	63	3,409	4,091	22,915
1963	3,939	9,512	1,494	65	1,387	4,863	21,260
1964	2,385	8,783	1,092	221	4,152	6,625	23,258
1965	1,319	6,468	981	15	1,916	16,668	27,367

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	20	2,694	528	64,783	89	11,310	218	28,610
1945	21	2,308	678	83,655	116	14,441	226	29,266
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	325	31,934	445	39,615	177	20,124	359	43,845
1945	269	27,158	562	49,651	152	16,002	315	36,307
1946	281	26,535	438	42,933	162	17,464	321	36,683
1947	303	29,757	338	29,470	222	22,801	433	52,189
1948	280	29,506	402	37,069	185	21,667	299	32,929
1949	277	28,740	378	35,095	105	12,392	225	26,435
1950	267	26,671	327	32,452	113	12,145	316	35,483
1951	195	19,228	221	22,134	69	7,673	256	28,104
1952	223	24,420	143	13,358	71	7,313	242	26,474
1953	186	21,965	221	21,645	70	7,560	256	29,319
1954	144	14,534	131	13,049	50	4,484	256	29,123
1955	158	15,232	161	17,377	92	4,131	188	21,265
1956	117	12,230	184	18,513	26	3,008	148	17,892
1957	82	8,683	191	19,038	15	1,461	126	14,882
1958	101	10,543	174	17,087	7	807	150	15,471
1959	101	10,607	141	13,788	12	1,227	110	11,644
1960	68	6,758	59	5,788	3	211	105	10,980
1961	35	3,808	94	9,133	15	1,531	108	11,633
1962	10	1,102	58	5,892	4	330	94	10,267
1963	5	284	59	5,868	5	446	84	9,512
1964	6	549	9	810	1	80	88	8,783
1965	16	1,384	48	4,778	..	.....	62	6,468

SUMMER RESORT LAND in years ending March 31st.

Year	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1944	344	948	10	25	3	5	231	659	•••
1945	459	1,180	11	20	9	15	206	1,525	330
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,083	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939
1965	881	824	32	33	3	8	977	981	726

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	No.	Assignments No.	Acres	No.	Patents Acres	No.	Quit Claim Deeds No.	Acres
1946	162	85.48	37	10.92	13	4.66	129.55	130	129.55	.	...	...
1947	275	137.92	9	2.39	27	6.67	175.39	249	175.39	.	...	...
1948	...	...	...	...	...	...	...	...	...	.	...	...
1949	151	68.626	17	17.182	22	8.904	66.634	146	66.634	.	...	...
1950	97	102.906	10	1.668	11	21.764	111.60195	182	111.60195	.	...	...
1951	87	56.996	15	30.05	10	2.2145	94.3345	143	94.3345	.	...	...
1952	91	252.47	7	1.695	10	1.576	38.274	90	38.274	.	...	...
1953	111	64.7477	19	13.82	2	0.378	68.950	126	68.950	.	...	...
1954	89	28.604	8	23.308	7	1.682	63.0438	99	63.0438	.	...	...
1955	60	15.411	11	5.271	11	2.39	26.651	70	26.651	.	...	...
1956	91	44.690	14	6.06	7	1.44	1,613.190	85	1,613.190	.	...	...
1957	96	60.547	14	5.04	2	0.37	70.632	85	70.632	.	...	...
1958	76	15.693	10	1.159	4	0.86	323.050	69	323.050	.	...	...
1959	109	30.8821	6	2.109	4	0.978	37.990	101	37.990	3	12.909	12.909
1960	113	36.315	12	1.1872	4	0.941	75.994	99	75.994	3	219.485	219.485
1961	83	29.443	17	3.318	5	0.98	25.618	91	25.618	3	155.89	155.89
1962	104	39.910	20	5.708	..	...	61.243	105	61.243	3	1.34	1.34
1963	77	31.941	31	6.318	8	2.885	36.547	99	36.547	7	28.314	28.314
1964	64	34.650	4	4.892	1	0.2	218.826	67	218.826	3	2.305	2.305
1965	27	7.140	13	2.840	1	0.394	15.019	45	15.019	1	0.13	0.13

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	Assignments No.	Acres	No.	Patents Acres	Quit Claim Deeds No.	Acres
1946	194	17,140.94	..	...	6	...	105	10,496.18	..	....
1947	211	14,293.96	..	...	6	134.05	145	13,272.99	..	....
1948	...	...	..	...	6	...	...	...	..	....
1949	199	20,541.913	5	110.00	3	184.53	187	13,132.423	..	....
1950	183	26,616.1662	5	206.59	4	95.86	187	55,461.188	..	....
1951	155	4,285.757	11	255.655	2	100.68	175	5,471.559	..	....
1952	149	5,367.3395	15	576.64	1	20.08	157	7,318.1075	..	....
1953	141	5,440.696	9	640.02	2	2.91	170	6,931.922	..	....
1954	145	4,220.913	12	418.984	7	87.56	154	6,168.493	..	....
1955	143	4,745.9465	12	614.26	3	111.771	163	4,989.0825	..	....
1956	129	7,451.9988	10	427.33	3	6.23	132	6,274.0393	..	....
1957	81	2,122.698	7	249.84	..	...	132	5,175.287	..	....
1958	148	4,533.512	12	545.20	..	...	152	5,620.207	..	....
1959	88	1,738.784	2	95.48	1	2.13	108	2,554.183	1	1.35
1960	157	3,201.033	4	228.25	3	4.11	162	10,254.213	5	119.569
1961	108	9,149.599	6	159.31	..	...	156	4,888.957	3	50.00
1962	122	2,587.402	5	82.114	2	1.69	158	4,090.992	40	3,409.015
1963	100	2,527.392	3	180.21	..	...	146	4,863.112	23	1,387.196
1964	75	1,529.052	4	83.03	..	...	140	6,624.6265	24	4,152.1467
1965	86	622.792	8	432.33	..	...	128	16,667.445	22	1,916.369

YEAR Ending March 31st	LICENCES OF OCCUPATION		LEASES	
	No. Issued	No. Cancelled	No. Issued	No. Cancelled
1946	85	69	110	31
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111

LAND USE PERMITS in years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1944	157	8	429	68	76	105	9	27	88	....	967	.....
1945	254	30	392	114	63	137	..	31	131	89	1,241	16,466
1946	321	31	398	138	95	156	..	44	251	236	1,670	17,207
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	District	Island	Township 28, 42A*	Electoral 33A	Misc.	Provincial Total	National† Topographic	Grand Total
1947	3,650	7,378	600	1,772	141	3,103	16,644	10,535	27,179
1948	1,975	7,373	168	506	25	1,100	11,147	11,215	22,362
1949	4,800	8,169	357	1,004	169	2,030	16,529	15,241	31,770
1950	1,896	7,560	1,255	510	152	5,062	16,435	17,013	33,448
1951	2,814	6,730	650	370	61	3,433	14,058	21,435	35,493
1952	2,096	9,426	932	285	311	3,292	16,342	24,139	40,481
1953	1,990	8,156	791	330	207	4,150	15,624	30,310	45,934
1954	2,734	9,254	593	216	64	5,167	18,028	34,459	52,487
1955	3,045	12,137	607	459	250	8,766	25,264	48,283	73,547
1956	2,113	10,475	882	576	839	1,254	16,139	48,604	64,743
1957	2,212	11,687	671	398	190	12,776	27,934	50,013	77,947
1958	1,831	12,592	345	491	126	1,890	17,275	62,048	79,323
1959	2,435	9,071	462	448	259	10,400	23,075	68,787	91,862
1960	1,285	9,728	345	829	320	8,369	20,876	68,891	89,767
1961	1,333	6,906	219	530	142	7,686	16,816	63,104	79,920
1962	2,523	10,755	...	584	503	18,500	32,865	78,866	111,731
1963	1,194	11,215	...	113	193	9,404	22,119	69,554	91,673
1964	652	8,255	...	403	313	9,100	18,723	43,685	62,408
1965	651	9,152	...	688	257	5,963	16,711	42,270	58,981

*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

†National Topographic (except for official use) are for resale, including Dominion and Provincial N. T. S. sheets.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.

3. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District. Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.

7. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.

9. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

10. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
13. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

LATER ESTABLISHMENTS

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961. 36th Area.

80. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

95. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

98. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch in the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

101. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood. 40th Area.

NEW POLICIES

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Supervisor: G. H. FERGUSON, Q. C.

SOLICITORS:

W. E. D. PETERS

R. W. Davidson

PATENTS OFFICE

Head Clerk: B. P. Foster

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 40 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated June 17th, 1965, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1967, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

(a) Forest Inventory - 50 per cent.

(b) Reforestation of Crown Lands, including lands of public authorities under control of the province;

(i) \$15 per unit for planting;

(ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground preparation (scarification or controlled burning);

(iv) 25% of the amount expended for establishment or expansion of nurseries.

A unit is the planting of 1,000 trees or the seeding of an acre.

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects - 50 per cent.

(d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products - 50 per cent.

(e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection - 50 per cent.

The maximum annual payment shall not exceed \$1,650,018 for any or all projects approved under the agreement. Additional assistance may be paid if other provinces do not qualify to receive their full allotment

of the sum of \$7, 910, 000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after

April 1, 1963 - 50%. Cost of land and other similar items are excepted.

12. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

Division of Operations was formed on December 1st, 1957, when Personnel became a separate Section. Re-named Branch in 1959, Operations has five Sections.

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments.

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and shipping of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides.

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

ACCIDENT CONTROL SECTION, responsible for the administration of The Logger Safety Act of Ontario from November 20th, 1964; operation of the Hunter Safety Training Programme; programme for safety in Provincial Parks; the internal safety programme of the Department; and administration of Workmen's Compensation as it pertains to the Department.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

M. A. GONTIER
Supervisor

OFFICE MANAGEMENT

Sub-section Supervisor: A. F. Madore

Office Management, Records
Circular Production, Uniforms

PURCHASING

Sub-section Supervisor: G. A. Harper
Purchases, Leases, Invoices
Inventories, Material Control

CENTRAL SUPPLY WAREHOUSE

Sub-section Supervisor: M. R. Toms
Housing, Recording and Shipping
Delivery to Toronto Area Offices

CONSERVATION INFORMATION

News and Press Releases, Photos
Publications, Public Appeals
Information, Editorial Services

C. V. RICH
Supervisor

CONSERVATION EDUCATION

Exhibits and Display Material
Lectures, 16 mm Films
Material for Radio, Television

ACCIDENT CONTROL

Sub-section Supervisor: H. H. Carter

Logger Safety, Hunter Safety
Workmen's Compensation
Department Safety, Parks Safety

HUNTER SAFETY TRAINING PROGRAM*

Year	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965**	3,075	17,577	102,611	100	10	110

CAUSES OF ACCIDENTS IN 1964

	%age of Total
INTENTIONAL DISCHARGE:	
Victim mistaken for game.....	8
Victim out of sight of shooter.....	12
Victim covered by shooter swinging on game.....	8
Victim moved into line of fire.....	6
Sub-total...	34
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled.....	12
Trigger caught on brush, clothing, etc.....	4
Defective weapon.....	7
"Horseplay".....	4
Loading and Unloading.....	8
Crossing fence, etc., with loaded weapon.....	7
In vehicle with weapon loaded.....	5
Removing from or placing in vehicle.....	3
All other circumstances.....	15
Sub-total...	65
UNKNOWN.....	1

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report. Accident totals are subject to correction.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$ ..... \$	.....	\$ ..... \$	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

YEAR	MEETINGS			ATTENDANCE				
	School	Public	OFA*	Total	School	Public	OFA*	Total
1946	423	311	...	734	53,913	29,558	.....	83,471
1947	405	376	...	781	50,990	42,433	.....	93,423
1948	780	752	...	1,532	101,360	58,615	.....	159,975
1949	876	655	20	1,551	89,020	71,969	1,511	162,500
1950	827	629	401	1,857	93,895	136,293	83,566	313,754
1951	675	913	1,241	2,829	80,411	75,850	128,152	284,413
1952	702	1,246	462	2,410	50,900	84,283	82,207	217,390
1953	721	1,223	950	2,894	53,679	86,895	154,817	295,391
1954	1,196	1,546	320	3,062	89,835	95,701	62,988	248,524
1955	1,143	1,526	601	3,270	92,381	116,261	64,473	276,115
1956	1,076	1,042	703	3,181	90,540	107,746	56,394	254,680
1957	1,261	1,710	674	3,645	93,672	127,174	68,758	289,604
1958	972	1,708	538	3,218	67,013	97,334	68,832	233,179
1959	831	2,196	409	3,436	68,146	124,703	40,430	233,279
1960	1,094	2,715	484	4,293	92,794	158,682	61,056	312,532
1961	1,026	3,198	401	4,625	80,015	187,686	48,756	316,457
1962	808	2,533	406	3,747	63,957	164,119	58,442	286,518
1963	771	2,266	374	3,411	60,788	165,017	46,860	272,665
1964	877	2,095	398	3,370	72,773	159,968	42,267	275,008
1965	949	2,165	220	3,334	91,184	145,965	15,915	253,064
Total:	17,413	31,165	8,602	57,180	1,537,266	2,236,252	1,088,424	4,861,942

*Lectures given by Ontario Forestry Association.

WAREHOUSE SHIPMENTS

INFORMATION AND EDUCATION SERVICES

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS			Tons of Supp- lies	PRINTED MATERIAL			Publi- cations
					*Letters of Enquiry Answered	Adminis- tration	Conser- vation		Licences	Parks Permits		
1946	24	.....	.....	..	.....	77	26	29	...	.....	.....	.....
1947	25	.....	.....	8	4,200	508	65	53	...	.....	.....	.....
1948	26	.....	.....	13	6,900	...	..	53	...	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	72	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	72	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	72	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	56	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	55	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	72	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	87	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	84	...	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	92	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	109	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	116	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	133	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	136	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	169	253	1,392,043	825,900	1,196,414
1963	260	3,700	9,000	75	30,300	150	50	84	228	1,432,902	1,000,850	1,442,523
1964	260	3,800	9,200	75	32,000	178	50	102	247	1,542,810	1,057,730	1,918,841
1965	255	3,800	9,200	75	33,000	161	50	109	246	1,581,980	1,125,725	2,211,227

*Information supplied by mail. **Technical publications not included after 1962.

LANDS AND FORESTS PUBLICATIONS

(Not including technical reports)
as of December 31, 1965

Code

FW

FISH AND WILDLIFE

1	Sport Fishes of Ontario (colour wall chart).	\$ 1.00
2	Commercial Fishing in Ontario	
3	Landlocked Sea Lamprey	
4	Summary of the Ontario Regulations which apply to Trapping and Fur Dealing	
5	Fur in Ontario	
6	Meet the Wildlife of Ontario's Outdoors	0.35
7	Fishing in Lake Simcoe	1.00
8	The Game and Fish Act and the Ontario Fishery Regulations	
9	Summary of the Ontario Fishery Regulations	
12	Summary of the Ontario Hunting Regulations	
13	Common Mammals	
14	Common Birds	
16	Fishes of Ontario	2.50

OR

OUTDOOR RECREATION

1	The Ontario Outdoorsman's Manual	0.25
2	So You Want to Go Camping	
3	Where to Fish in Northwestern Ontario	
4	Where to Fish in Northeastern Ontario	
5	Where to Fish in Southern Ontario	
6	The Ten Commandments of Hunter Safety	
7	Why Hunter Safety Training?	
8	How to Survive in the Woods	

PP

PROVINCIAL PARKS

2	Algonquin Provincial Park	
3	Canoe Routes---Algonquin	
4	Canoe Routes---Quetico	
5	Quetico Provincial Park	
6	Reptiles of Algonquin Provincial Park	

F

FORESTS

1	The Forest Trees of Ontario	\$0.50
2	Hardwood Trees of Ontario with Bark Characteristics .	0.50
3	The Forest Resources of Ontario	
4	Teacher's Guide to Forest Conservation	
5	Common Trees	
7	Planning for Tree Planting	
8	Care and Planting of Forest Trees	
10	Manual of Seed Collecting	

FP FOREST PROTECTION

- 1 Our Forests Are Burning
- 2 Tower Jack
- 3 The Forest Fires Prevention Act

FI FOREST INDUSTRY

- 1 Lumber in Ontario
- 2 Pulp and Paper in Ontario
- 4 The Pointer Boat

LW LAND AND WATER

- 1 List of Water Powers in the Province of Ontario \$ 0.75
- 2 Geographic Townships in the Province of Ontario 0.50
- 3 Ontario Resources Atlas (maps in colour) 1.00
- 4 Summer Resort Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

A ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests:
Part I, detailed; Part II, Highlights.
- 2 A Statistical Reference of Lands and Forests Administration
- 3 Ontario Forest Ranger School (Information brochure)
- 4 Ontario Junior Forest Ranger Programme
- 5 List of Publications for Distribution

H HISTORY

- 1 Algonquin Story \$ 2.50
- 2 Camping in the Muskoka Region 2.00
- 3 Indians of Ontario 1.00
- 4 Early Days in Haliburton 2.50
- 5 Early Days (Air Service)
- 6 Fifty Years of Reforestation in Ontario 0.50
- 7 H. M. S. Nancy and the War of 1812

FDH FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | |
| 6 Sioux Lookout | 14 Cochrane | |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapleau | |

NEW POLICIES

[illegible]

NEW POLICIES

PARKS BRANCH

With the realization of an imminent need for public outdoor recreational space, the Division of Parks was established on October 1, 1954, with the late W. B. Greenwood as Chief. It was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1, 1961. After a lengthy illness, he was superannuated on December 31, 1964.

D. R. Wilson was appointed Chief on May 1, 1965. In 1965, the Branch was enlarged and re-organized.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established in 1894 by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Long Point was established in 1921 by the Long Point Park Act, 2 George V, Chapter 35. Presqu'ile was established in 1922 by the Presqu'ile Park Act, 12 George V, Chapter 39. Quetico, Ipperwash, Sibley and Lake Superior were established by Orders-in-Council.

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from the Department of Highways in 1957. Ten were returned in the year ending March 31, 1960.

Within the responsibility of providing parklands for public recreation is the provision of certain facilities. With few exceptions, the emphasis is placed upon the natural environment with planning and development consistent with the natural surroundings.

In certain provincial parks, museums, exhibit centres, self-guiding trails and interpretive programmes of conducted trips and illustrated talks indicate and explain significant natural and historical park features. In 1965, a new museum building at Rondeau was opened to the public.

Waterfowl shooting has been continued through the years in Rondeau and Presqu'ile Provincial Parks. It was discontinued, temporarily, in Darlington and Holiday Beach Provincial Parks and renewed in 1960 and 1961, respectively.

Pheasant shooting of stocked birds was opened in 1961 in Sibbald Point, Presqu'ile and Darlington Provincial Parks and in 1963 in Earl Rowe Provincial Park.. With the addition of the Townships of Bruton and Clyde to Algonquin Provincial Park in 1961, moose and deer hunting were permitted to be continued in those townships. Moose hunting, which has been discontinued in Lake Superior Park since 1957, was reopened in 1961.

To extend the use of provincial parks, 1960 saw the beginning of facilities to offer tobogganing and skating in Kakabeka Falls Provincial Park, tobogganing, skating and skiing in Pinery Provincial Park and skating in Darlington Provincial Park. In 1962, a ski lift was added to the Pinery.

PARKS BRANCH

Chief: D. R. WILSON

RECREATIONAL LAND USE PLANNER

J. W. KEENAN

PARK PLANNING AND DEVELOPMENT

Supervisor: D. M. PEACOCK

PARK OPERATIONS

Supervisor: W. G. CLEAVLEY

SPECIAL PROJECTS

Secretary to Ontario Parks Integration Board

C. R. TILT

PUBLIC USE OF PROVINCIAL PARKS

Year	Parks	Vehicles	Campers	Wilderness Campers†	Total Visitors
1956	21	.....	61,000	.....	.....
1957	39	629,666	116,000	.....	2,114,661
1958	45	927,871	196,000	16,309	3,232,460
1959	55	1,420,180	340,000	50,403	5,127,199
1960	63	1,552,662	421,000	35,778	5,692,978
1961	77	1,725,876	613,000	57,992	6,215,370
1962	82	2,182,116	750,000	46,753	7,822,549
1963	86	2,372,223	840,491	49,372	8,526,443
1964	90	2,549,716	922,632	49,112	9,139,975
1965**	89	2,458,604	915,566	53,653	8,964,338

ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Lectures	Total
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	217,672	38,771	5,782	23,988	286,213
1960	9	*298,129	46,679	6,958	24,296	*376,062
1961	8	*311,291	46,955	7,104	29,626	*394,976
1962	12	*374,475	55,553	9,748	47,641	*487,417
1963	11	*371,275	*61,647	10,949	51,143	*495,014
1964	12	*367,292	*80,815	10,458	49,235	*507,800
1965**	19	*326,298	*81,462	10,515	51,639	*469,914
Algonquin....		209,613	40,935	3,890	21,194	275,632
Nancy Island.		*27,832	.....	.....	.....	*27,832
Presqu'ile....		*24,000	2,963	1,222	7,498	*35,683
Quetico.....		*7,042	4,336	430	3,084	*14,892
Rondeau.....		33,477	.....	1,618	1,192	36,287
Sibbald Point		24,334	.....	.....	.....	24,334
Sibley.....		.....	*500	597	2,661	*3,758
Inverhuron...		.....	*18,650	.....	.....	*18,650
Lake Superior		.....	*2,000	156	2,410	*4,566
Kap-Kig-Iwan.		.....	*2,000	.....	.....	*2,000
Pinery.....		.....	.....	2,580	13,600	16,180
Kettle Lakes.		.....	816	22	.....	838
Other Parks..		.....	9,262	.....	.....	9,262

*Estimated

†Algonquin and Quetico Parks.

**Preliminary Report.

89 PROVINCIAL PARKS IN OPERATION IN 1965

(Preliminary Report)

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1965	Visitors in 1965
CHAPLEAU						
Five Mile Lake.....	1,010	Sep 29, 1958	0. Reg. 251/58	87	2,898	9,176
COCHRANE						
Greenwater.....	10,560	May 21, 1963	0. Reg. 117/63	25	1,390	13,205
Kettle Lakes.....	2,417	May 21, 1963	0. Reg. 117/63	95	3,980	42,958
Charles Island.....	172	.....	.....	12	.....	.....
FORT FRANCES						
Caliper Lake.....	246	Jul 22, 1960	0. Reg. 204/60	87	7,079	41,723
Lake of the Woods.....	2,673	.....	.....	87	1,605	18,311
Quetico.....	1,148,800	Apr 1, 1909	Order-in-Council	115	7,836	84,805
GERALDTON						
Blacksand.....	3,353	Jul 22, 1960	0. Reg. 204/60	168	5,267	18,532
Klotz Lake.....	210	Jul 22, 1960	0. Reg. 204/60	33	2,257	18,502
MacLeod Lake.....	200	May 21, 1963	0. Reg. 117/63	54	3,502	57,193
Rainbow Falls.....	277	May 21, 1963	0. Reg. 117/63	175	21,295	79,046
Ney's.....	8,150	.....	.....	80	10,085	35,362
GOGAMA						
Ivanhoe.....	3,010	Jun 25, 1957	0. Reg. 144/57	135	4,026	13,271
KAPUSKASING						
Nagagamisis.....	11,878	May 21, 1963	0. Reg. 117/63	80	2,169	10,750
Remi Lake.....	980	Jun 25, 1957	0. Reg. 144/57	70	3,483	31,584
KEMPTVILLE						
Fitzroy.....	396	May 21, 1963	0. Reg. 117/63	251	7,789	76,886
Rideau River.....	130	May 21, 1963	0. Reg. 117/63	191	18,017	249,497
Silver Lake.....	78	May 21, 1963	0. Reg. 117/63	197	16,454	92,193
South Nation.....	13	Jul 22, 1960	0. Reg. 204/60	28	4,252	40,427

KENCOA

Aaron.....	124	Sep 29, 1958	0. Reg. 251/58	60	9,502	62,877
Rushing River.....	395	Sep 29, 1958	0. Reg. 251/58	100	6,548	32,634
Sioux Narrows.....	284	Jun 25, 1957	0. Reg. 144/57	60	6,821	38,454
Blue Lake.....	176	Jul 22, 1960	0. Reg. 204/60	100	13,605	101,899

LAKE ERIE

Clay Creek.....	24	May 21, 1963	0. Reg. 117/63	47	1,737	37,424
Holiday Beach.....	205	Oct 6, 1958	0. Reg. 254/58	56	4,261	182,238
Ipserwash.....	105	Jun 24, 1938	Order-in-Council	260	16,764	180,590
Long Point.....	848	May 3, 1921	(Act-See above)	325	22,750	309,710
Pinery.....	4,333	Oct 11, 1957	0. Reg. 229/57	1,075	51,805	333,235

Rock Point.....	187	Jun 25, 1957	0. Reg. 144/57	47	3,445	23,373
Rondeau.....	11,450	May 5, 1894	(Act-See above)	509	32,261	591,140
Turkey Point.....	778	Apr 21, 1959	0. Reg. 70/59	476	15,776	347,620
John E. Pearce.....	58	May 21, 1963	0. Reg. 117/63	.....	.....	.....
Port Bruce.....	28	.....	.....	.....	.....	.....
Wheatley.....	502	.....	.....	300	2,692	69,769

LAKE HURON

Craigleith.....	31	.....	.....	170	12,272	59,634
Inverhuron.....	545	.....	.....	331	16,570	125,197
Sauble Falls.....	87	.....	.....	146	10,983	107,300
Point Farms.....	340	.....	.....	115	5,942	55,295

LAKE SIMCOE

Bass Lake.....	87	Jun 25, 1957	0. Reg. 144/57	154	14,425	123,201
Devils Glen.....	14	.....	.....	20	2,921	66,086
Earl Rowe.....	742	Jun 29, 1964	0. Reg. 161/64	76	6,008	80,174
Sibbald Point.....	495	May 21, 1963	0. Reg. 117/63	650	47,329	305,028
Six Mile Lake.....	177	Feb 24, 1958	0. Reg. 42/58	150	10,177	112,000
Springwater.....	117	Sep 29, 1958	0. Reg. 251/58	.....	.....	97,232
Wasaga Beach.....	174	May 21, 1963	0. Reg. 117/63	.....	.....	969,052
Mara.....	100	.....	.....	75	4,472	50,685

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1965	Visitors in 1965
LINDSAY						
Darlington.....	380	Oct 30, 1959	0. Reg. 253/59	230	14,579	126,443
Emily.....	58	Jun 25, 1957	0. Reg. 144/57	88	12,865	146,394
Mark S. Burnham.....	101	Jul 26, 1955	0. Reg. 148/55	.....	.....	20,000
Presqu'ile.....	2,170	May 18, 1922	(Act-see above)	500	21,195	184,806
Serpent Mounds.....	70	Jun 25, 1957	0. Reg. 144/57	95	13,299	139,264
Balsam Lake.....	1,040	.....	.....	100	6,708	6,708
NORTH BAY						
Antoine.....	23	.....	.....	29	920	17,226
Finlayson Point.....	75	May 21, 1963	0. Reg. 117/63	114	8,263	39,988
Marten River.....	1,039	May 21, 1963	0. Reg. 117/63	237	11,199	132,316
Samuel de Champlain.....	2,180	.....	.....	224	7,490	56,890
PARRY SOUND						
Grundy Lake.....	6,130	Apr 21, 1959	0. Reg. 70/59	485	17,051	136,580
Oastler Lake.....	42	.....	.....	120	13,698	140,443
Killbear Point.....	2,334	.....	.....	722	27,520	212,456
Mikisew.....	99	Jun 29, 1964	0. Reg. 161/64	123	5,603	72,501
Sturgeon Bay.....	20	Jul 22, 1960	0. Reg. 204/60	87	5,307	29,796
Restoule.....	1,417	May 21, 1963	0. Reg. 117/63	258	3,044	23,457
PEMBROKE						
Algonquin.....	1,862,144	May 27, 1893	(Act-see above)	1,298	72,992	477,626
Carson Lake.....	15	.....	.....	44	3,017	4,944
Driftwood.....	655	May 21, 1963	0. Reg. 117/63	85	4,712	8,133
PORT ARTHUR						
Inwood.....	82	Sep 29, 1958	0. Reg. 251/58	62	10,786	19,484
Sibley.....	52,780	May 21, 1963	0. Reg. 117/63	350	15,698	40,697
Kakabeka Falls.....	891	.....	.....	104	23,606	304,358
Middle Falls.....	11	Jul 22, 1960	0. Reg. 204/60	50	5,659	27,168

SAULT STE. MARIE

Pancake Bay.....	710	.....	.....	.....	488	28,764	69,641
Batchawana.....	33	.....	.....	.....	.....	.....	19,245
Lake Superior.....	333,632	Jan 13, 1944	Order-in-Council	.....	316	31,295	113,363
Mississagi.....	95,360	.....	.....	.....	40	2,494	7,561

SIOUX LOOKOUT

Pakwash.....	1,560	.....	.....	.....	57	1,251	4,123
Ojibway.....	6,130	May 21, 1963	0. Reg. 117/63	.....	58	1,083	7,505

SUDBURY

Fairbank.....	85	Jun 25, 1957	0. Reg. 144/57	.....	132	7,786	33,269
Windy Lake.....	293	Apr 4, 1959	0. Reg. 88/59	.....	76	2,956	112,352
Chutes.....	245	.....	.....	.....	97	12,791	100,375
Killarney.....	app. 90,000	Jul 17, 1964	0. Reg. 183/64	.....	100	2,886	17,641

SWASTIKA

Esker Lakes.....	7,680	Jun 25, 1957	0. Reg. 144/57	.....	136	3,623	14,314
Kap-Kig-Iwan.....	759	May 21, 1963	0. Reg. 117/63	.....	64	2,685	18,194

TWEED

Black Lake.....	77	May 21, 1963	0. Reg. 117/63	.....	200	6,561	47,464
Lake on the Mountain.	256	Jun 25, 1957	0. Reg. 144/57	.....	.....	.....	25,000
Lake St. Peter.....	62	.....	.....	.....	60	3,398	24,428
Outlet Beach.....	263	May 21, 1963	0. Reg. 117/63	.....	400	19,810	409,766
Sandbanks.....	1,200	.....	.....	.....	.....	.....	18,300
Bon Echo.....	15,225	.....	.....	.....	400	14,307	88,152

WHITE RIVER

White Lake.....	3,980	May 21, 1963	0. Reg. 117/63	.....	225	17,797	57,198
Obatanga.....	34,240	.....	.....	.....	84	11,118	16,229

TOTAL.....

15,410 915,566 8,964,338

47 PROVINCIAL PARK RESERVE AREAS, 1965

DISTRICT Reserve Area	AREA (Acres)	LOCATIONS
CHAPLEAU		
Sand Shoals	24,960	Peters, Cosens, Topham, Triquet Twps.
COCHRANE		
Pierre, Montreuil, Harris Lakes	46,000	McQuibban, Swartman Twps.
Long Point Peninsula . .	18,500	Lake Abitibi
Dana Lake	3,200	Whitesides Twp.
Moose River (Tidewater).	2,860	Adjacent to Horden Twp.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	
Pow-Wow Grounds	1,730	
GOGAMA		
Chester	28,000	Chester Twp.
GERALDTON		
Esnagami Lake	58,000	Esnagami, Alpha, Rupert Twps.
Steel River	2,700	Twp. 81
Partridge Lake	6,500	Legault, Colter Twps.
Lukinto Lake	2,250	South of O'Meara Twp.
Purgatory Chutes	100	Pagwachau River
Kama Bay	1,750	Twps. 88, 89, 91
KAPUSKASING		
Nagagami Lake	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Hanlan Lake.	9,000	Hanlan, Bannerman Twps.
KENORA		
Shoal Lake	46,700	Western Peninsula, Lake of the Woods
LAKE SIMCOE		
Methodist Point.	2,800	Tiny Twp.
Little Lake	100	Vespra Twp.
Matchedash	6,200	Matchedash Twp.
LINDSAY		
Red Pine Lake	6,580	Sherborne Twp.
Silent Lake	1,700	Cardiff Twp.
Kawartha	3,800	Anstruther, Cavendish Twps.
Gull River	20	Somerville, Laxton Twps.

NORTH BAY			
W. B. Greenwood	23,000	Gillies Limit: Brigstocke, Banting, Best Twps.	
PARRY SOUND			
McDonald Bay.	1,100	Gibson Twp.	
O'Donnell Point.	2,130	Freeman Twp.	
Round Lake	24,265	Shawanaga, Ferguson, Burpee Twps. .	
South Bay	3,936	Nipissing Twp.	
Bigwind Lake	5,400	Oakley Twp.	
Shawanaga Basin	2,560	Shawanaga, Harrison Twps.	
PORT ARTHUR			
Silver Falls.	8,800	Forbes, Fowler Twps.	
Kopka Lake	37,300	English Bay, Lake Nipigon	
Kashabowie Lake	19,130	Kashabowie Lake	
Arrowhead Peninsula . .	850	Northern Light Lake	
Inwood.	1,075	Inwood Twp.	
Eaglehead Lake.	750	Eaglehead Lake	
SAULT STE. MARIE			
Aubrey Falls.	6,000	Twp. 4D	
Mashagama Lake	8,300	Twp. 4F	
SIOUX LOOKOUT			
Sandbar Lake	355	North of Skey Twp.	
SUDBURY			
Wahnipitae Lake	1,300	Rathbun Twp.	
SWASTIKA			
McCann	640	McCann Twp.	
TWEED			
McKenzie Lake	1,200	McClure Twp.	
WHITE RIVER			
Kawapitapika Lake . . .	2,800	Leslie, Knowles Twps.	
Dayohessarah Lake . . .	36,928	66, Cooper, Tedder, Odium Hambleton Twps.	
TOTAL		476,284	

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Recruitment of Professional Staff
Establishments
Junior Ranger Programme

Promotions
Transfers
Job Advertising

Personnel Records
Attendance
Annual Increments
Permanent and Probationary Appointments
Separations

Training Programme
Courses
Educational Leave
Grievances
Discipline

Classification
Class Specifications
Job Descriptions
Salary Surveys

Employee Relations

NUMBER OF EMPLOYEES
in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293

*Does not include extra fire fighters.

**Retirements, superannuations and deaths.

ON STAFF

NUMBER OF PROFESSIONAL EMPLOYEES
with University degrees in years ending March 31st

Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329

(Summer Months)

DISTRIBUTION OF JUNIOR RANGERS

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau.....	14	15	23	26	40	46	39	38	35
Cochrane.....	12	25	25	21	26	36	39	45	39	35	24
Fort Frances....	14	16	14	14
Geraldton.....	10	10	..	15	35	24	27	48	59
Gogama.....	10	15	12	21	25	34	43	27	38	36
Kapuskasing.....	8	10	14	12	12	21	32	43	33	28	34
Kenora.....	11	..	..	..	10	..	10	11	25
Lindsay.....	12	15	14	14	25	29	46	..	..	..
North Bay.....	10	13	12	18	21	26	27	21	22	30	38	38	38	48	35
Parry Sound.....	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36
Pembroke.....	12	29	20	40	42	32	32	35	42	51	48	42	34
Port Arthur.....	13	15	11	8	24	13	36
Sault Ste. Marie	..	10	10	11	13	22	20	20	31	37	60	53	75	73	64
Sioux Lookout...	9	12	21	19	..	11	13	13
Sudbury.....	..	7	15	13	20	26	16	14	14	23	24	42	76	51	46
Swastika.....	8	28	32	24	24	27	31	11	43	24	24
Tweed.....	9	21	19	18	15	24	29	32	26	..	..	..
White River.....	12	11	22	23	28	42	62	39	49
TOTAL.....	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965
Chapleau.....	37	36	69	88	112	124	134
Cochrane.....	24	25	36	33	57	67	69
Fort Frances.....	23	12	12	24	49	42	45
Geraldton.....	64	46	60	55	94	113	115
Gogama.....	39	37	47	35	56	67	65
Kapuskasing.....	40	36	36	39	62	72	69
Kenora.....	26	13	12	13	39	45	47
North Bay.....	38	26	36	34	73	113	121
Parry Sound.....	37	36	46	55	93	137	139
Pembroke.....	34	24	33	37	71	70	70
Port Arthur.....	39	24	25	36	132	137	135
Sault Ste. Marie.	63	67	64	65	119	136	141
Sioux Lookout....	15	13	..	23	47	49	54
Sudbury.....	39	49	48	57	113	138	140
Swastika.....	26	24	48	40	98	116	113
White River.....	49	35	47	47	85	93	94
TOTAL	593	503	619	681	1,300	1,519	1,551

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of November 30, 1964

GROUPS	Head Office	Field	Total
Air Engineers.....	36	8	44
Air Pilots.....	2	32	34
Biologists.....	12	36	48
Boat Captains.....	..	2	2
Communications Technicians...	9	19	28
Conservation Officers.....	4	216	220
Draughtsmen, Cartographers...	36	..	36
Drivers.....	4	27	31
Engineers.....	4	..	4
Engineers, Stationary.....	5	5	10
Foresters.....	46	141	187
Forestry Technicians.....	7	614	621
Hatchery Staffs.....	9	55	64
Instructors.....	1	..	1
Legal Officers.....	3	..	3
Maintenance Staffs.....	22	77	99
Mechanics.....	..	45	45
Office Staffs.....	342	261	603
Photography Staffs.....	4	8	12
Radio Operators.....	3	21	24
Rangers.....	8	145	153
Reforestation Staffs.....	2	80	82
Research Scientists.....	22	5	27
Research Technicians.....	13	3	16
Safety Officers.....	2	8	10
Supervisory Staff.....	29	43	72
Surveyors.....	2	..	2
Survey Technicians.....	1	..	1
TOTAL.....	628	1,851	2,479
FORESTRY	Class 7	..	7
TECHNICIANS	Class 6	2	37
	Class 5	..	75
	Class 4	..	181
	Class 3	..	84
	Class 2	4	175
	Class 1	1	55
CONSERVATION	Class 7	..	2
OFFICERS	Class 6	1	11
	Class 5	1	13
	Class 4	..	26
	Class 3	..	23
	Class 2	2	135
	Class 1	..	6

ASSISTANT DEPUTY MINISTER

G. H. U. BAYLY

REGIONAL DIRECTORS

R. D. K. ACHESON-----	172 Elm St., West Sudbury Telephone 674-3151
L. RINGHAM -----	Forestry Building, 14 North Algoma Street, Port Arthur. Telephone 345-6543.

REGIONAL FORESTERS

R. H. HAMBLBY -----	NORTHERN 113 6th Avenue, Cochrane. Telephone 272-4887
J. M. TAYLOR -----	SOUTH-EASTERN Municipal Building, Metcalf Street, Tweed. Telephone 478-2330
P. ADDISON -----	SOUTH-WESTERN R. R. 2, Maple. Telephone Toronto 889-1171-212

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of August 27, 1965)	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	6,380	640	7,020	6,380	640	7,020
Cochrane.....	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Gogama.....	5,931	446	6,377	5,931	446	6,377
Kapuskasing.....	17,776	750	18,526	17,776	750	18,526
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,498	217	2,715
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	8,066	3,380	11,446	7,923	3,321	11,244
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	7,662	4,298	11,960	6,538	1,243	7,781
Swastika.....	5,270	291	5,561	5,270	291	5,561
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	6,400	3,051	9,451	6,400	3,051	9,451
TOTAL.....	344,092	68,490	*412,582	269,271	43,495	312,766

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

CHAPLEAU FOREST DISTRICT

	Telephone
OFFICE: Corner of Lorne and Beach, Chapleau	864-1710
Radio Room...after hours	864-1711
Chief Ranger...after hours	864-1712
Air Service ...after hours	864-1713
District Forester	*J.R. Keddie 864-1025

SUPERVISORS

Accounts	H. Tzoelker	864-1687
Fish and Wildlife	V. Crichton	864-1710
Forest Protection	*J.E. Anderson.....	864-1843
Lands	W.E. MacPhail	864-1146
Parks	W.E. MacPhail	864-1146
Timber.....	*C.R. Groves	864-0854
Scaling	L.C. Mantle.....	864-0297

CHIEF RANGERS

Chapleau	*L.T. Cecile	864-1710(1453)
Biscotasing	W.P. O'Donnell	866(823)

DEPUTY CHIEF RANGERS

Chapleau	F.R. Bergin.....	864-1710(1842)
Chapleau	L.G. Woods	864-1710(1685)
Sultan	G. Dingee	875(862)
Missanable.....	H.G. Kohls	834(828)

NURSERY

Chapleau	M.E. Hawkins	864-1717(1547)
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PROVINCIAL PARK

Five Mile Lake	R. Odorizzi	Chapleau
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COCHRANE FOREST DISTRICT

Telephone

OFFICE: Court House, Cochrane 272-4891
 Duty Officers 272-4886

District Forester F.L. Hall 272-4811(3234)

SUPERVISORS

Accounts F.W. Barnes (Acting).... 272-4796
 Fish and Wildlife S. Nodwell 272-4885(4869)
 Forest Protection *G.P. Elliott 272-4886(4492)
 Assistant *J.R. Russell 272-4886(4796)
 Lands H.E. Wright 272-4890(5207)
 Parks D.E. Stewart 272-4890(5233)
 Timber J.R. McNight 272-4889(4503)
 Scaling J.H. Butts 272-4889(5291)

CHIEF RANGERS

Cochrane *A.C. Hutchinson 272-4892(5326)
 Timmins C.R. Gray 264-1262(0045)
 Wade Lake R. Woodall Iroquois Falls 414

DEPUTY CHIEF RANGERS

Cochrane *R. Paterick 272-4892(4917)
 Cochrane W.J. Froude Frederickhouse 1r2
 Cochrane A.E. Ross 272-4888(4997)
 Timmins J.D. Bond 264-1262(267-3574)
 Timmins K.G. Wisikin 264-1262(0829)
 Timmins E. Everley 264-1262(5086)
 Timmins R.H. Wagner 264-1262(2669)
 Smooth Rock Falls K.C. Veitch 338-0425(0904)
 Moosonee L.A. Mahon 336-2241(2675)

PROVINCIAL PARKS

Greenwater G. Piche Cochrane 272-4892
 Kettle Lakes J. Bond Connaught 14
 Charles Island Moosonee

*Duty Officers.

FORT FRANCES FOREST DISTRICT

Telephone

OFFICE: 922 Scott Street, Fort Frances 274-5337

District Forester *R. A. Balkwill..... 274-6292

SUPERVISORS

Accounts	A. R. Taylor	274-9406
Fish and Wildlife	D. J. D'Agostini.....	274-6695
Biologist	R. D. Thomasson.....	274-9693
Forest Protection.....	*R. V. Brady.....	274-9818
Lands and Parks.....	L. L. Rawn	274-6176
Timber	H. R. Grinnell .....	.....
Scaling	G. E. Mayhew.....	274-3908

CHIEF RANGERS

Fort Frances .....	.....	.....
Atikokan.....	F. Dustak	28568

DEPUTY CHIEF RANGERS

Fort Frances.....	A. J. Korpi	274-6522
Fort Frances.....	S. V. Roberts	274-5680
Fort Frances (Rainy Lake).	F. R. Dumeney.....	274-6534
Atikokan.....	M. J. Kaliska	2047
Rainy River	S. A. Kellar	852-3360

UNIT FORESTER

Atikokan	A. G. Dougall	6266
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PROVINCIAL PARKS

Caliper Lake.....	B. Houck ... One-Sided Lake	1071j3
Lake of the Woods	D. McGregor
Quetico.....	C. R. Williams ... Atikokan	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Telephone

OFFICE: Beamish Avenue, Geraldton	854-1030
District Forester.....*G.E. MacKinnon	854-1649

SUPERVISORS

Accounts	B. J. Scalzo	854-1030
Fish and Wildlife	E. H. Stone	854-1030
Biologist	J. Goddard	854-1030
Biologist	B. H. Gibson	854-1030
Forest Protection	*M. J. Morison	854-0466
Lands and Parks	A. F. Parker	854-1030
Timber	J. F. Flowers	854-1030
Scaling	A. G. Strey	854-1030

CHIEF RANGERS

Geraldton	P. Bellavance	854-1600
Longlac	R. W. Koski	876-2351
MacDiarmid	J. P. King	1r2
Pays Plat	B. J. Lapenskle	83J2
Nakina	J. A. Murphy	80

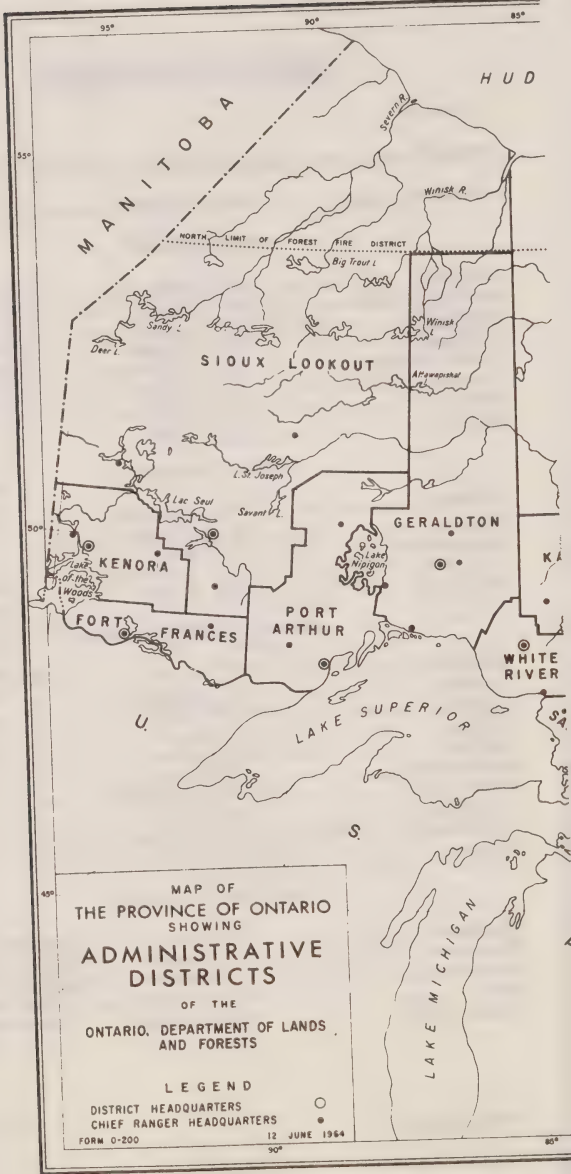
DEPUTY CHIEF RANGERS

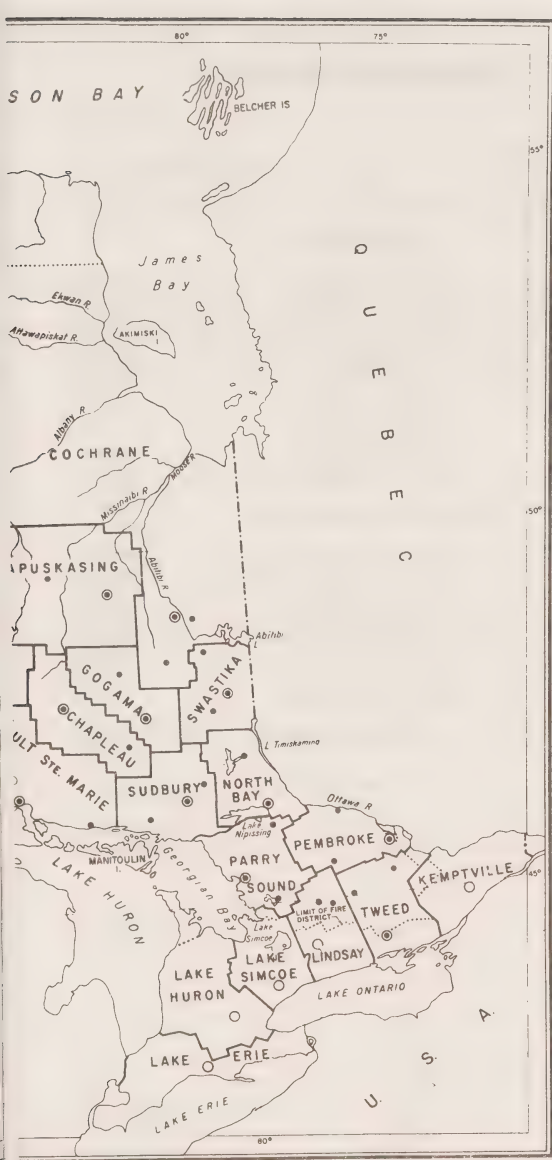
Geraldton	*B. Petman	854-1030(1602)
Geraldton	M. Wasylkiw	854-1600
Geraldton	E. D. Turner	854-1600
Longlac	M. Linard	876-2351
Longlac	A. Hoshino	876-2351
MacDiarmid	J. W. Auger	1 R 2
MacDiarmid	B. A. Norris	1 R 2
Pays Plat	A. J. Bull	83J2
Pays Plat	K. E. Bowler	83J2
Nakina	T. B. Scott	83J2

PROVINCIAL PARKS

Blacksand	J. P. King	MacDiarmid 1r2
Klotz Lake	R. W. Koski	Longlac 876-2351
MacLeod Lake	P. Bellavance ..	Geraldton 854-1600
Nays	B. J. Lapenskle	Pays Plat 83J2
Rainbow Falls	B. J. Lapenskle	Pays Plat 83J2

* Duty Officers.





GOGAMA FOREST DISTRICT

Telephone

OFFICE: Gogama 96

District Forester

SUPERVISORS

Accounts	J. D. Peirony	96(106)
Fish and Wildlife	D. J. Gawley	96 (71)
Forest Protection	*W. G. Taylor	96 (13)
Lands and Parks.....	E. N. Arbuckle	96(186)
Timber	*I. B. Earl.....	96 (37)
Scaling	E. Dew.....	96 (7)

CHIEF RANGERS

Gogama	*A. F. Papineau	84 (34)
Foleyet.....	*J. R. Languerand.....	98 (70)

DEPUTY CHIEF RANGERS

Gogama	J. R. Morin.....	84(131)
Gogama	R. A. Beauchamp.....	84 (60)
Gogama	D. S. Stewart	84(137)
Foleyet	*W. E. Belisle	98 (62)
Foleyet	J. E. L. Morin	98 (89)
Foleyet	G. H. Herron	98(154)

PROVINCIAL PARK

Ivanhoe	J. R. Languerand....	Foleyet 98 (70)
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*Duty Officers.

KAPUSKASING FOREST DISTRICT

Telephone

OFFICE: Kapuskasing (705) 335-2231

District Forester *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone	335-3360
Fish and Wildlife	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands	*A. J. McGoey	335-5062
Parks	P. J. Hare	335-4132
Timber	*J. R. Oatway	335-3367
Scaling	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	J. H. Clavelle	335-2187
Hearst .....	.....	.....
Hornepayne	L. E. Grife	125

DEPUTY CHIEF RANGERS

Kapuskasing	J. Albert	Fauquier 3361
Kapuskasing	J. G. Duhalme	Opasatika 3324
Kapuskasing	D. C. Jones	335-5414
Hearst	G. O. Koistinen	362-4853
Hearst	F. J. Labonte	Mattice 4480
Hearst	J. H. Thompson	362-4981
Hornepayne	B. R. Blais	466
Hornepayne	L. F. Smith	664

PROVINCIAL PARKS

Nagagamisis .....	.....	Hornepayne 90
Remi Lake	J. L. Sigouin	335-2321

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Telephone

OFFICE: Kemptville 258-3413
Nights, Holidays 258-2298

District Forester..... *W. A. G. Thurston..... 258-3335

SUPERVISORS

Accounts	F. S. Bumstead	258-2483
Sr. Conservation Officer ..	D. O. Sylvester	258-2280
Forest Protection	*E. A. Green	258-3209
Assistant	*D. D. White	258-2780
Lands and Parks	E. A. Green	258-3209
Timber	P. E. Anslow	258-2408

DEPUTY CHIEF RANGER

Lanark D. Kennedy.....Innisville 6r21

ZONE FORESTERS

Kemptonville	J. W. Lloyd	258-3413
Kemptonville	A. J. Campbell	258-3413
Alexandria	L. J. Forcier	7
Perth	M. Schaefer	Hopetown 2r4

NURSERY

Kemptonville *H. H. de Vries 258-2323

PROVINCIAL PARKS

Fitzroy	F. W. Irwin ...	Arnprior 623-5159
Rideau River	W. Oakes ...	Kemptville 258-2817
Silver Lake	C. Dawson	Maberly 9r31
South Nation	H. Leroux...	Plantagenet 673-5072

*Duty Officers

Government
Publications

KENORA FOREST DISTRICT

Telephone

OFFICE: 936 Park Street, Kenora 468-9841

District Forester *G. F. Coyne 468-7771

SUPERVISORS

Accounts	G. C. McChesney	468-8190
Fish and Wildlife	*W. H. Charlton	468-6284
Forest Protection	*H. R. Redding	468-7584
Lands	J. A. Wynd	548-4094
Parks	H. J. Featherstone	468-5450
Timber	R. A. Lockhart	468-5452
Scaling	G. C. Mackey	547-2347

CHIEF RANGERS

Kenora	*J. G. Minor	468-6600(7139)
Minaki	N. B. Pigeon	8
Dryden	L. E. Fleguel	223-2341(6644)

DEPUTY CHIEF RANGERS

Kenora	A. A. Gordon ...	468-6600(547-2893)
Kenora	W. Neculeac ...	468-6600(548-4219)
Kenora	A. W. Stone ...	468-6600(468-5106)
Minaki	J. K. Cleaveley	8 (142)
Dryden	M. L. Frenette ..	223-2341(938-6497)
Dryden	W. O. Hansson ..	223-2341(223-2521)
Dryden	A. E. Lundmark ..	223-2341(938-6316)
Vermilion Bay	R. J. Kincaid	227-2660(2654)
Sioux Narrows	H. D. Morrison	180

PROVINCIAL PARKS

Aaron	M. L. Frenette	223-2341
Blue Lake	R. J. Kincaid	227-2660
Rushing River	W. Neculeac	468-6600
Sioux Narrows	H. D. Morrison	180

*Duty Officers

LAKE ERIE FOREST DISTRICT

Telephone

OFFICE: Aylmer WestAylmer 773-9241

District Forester *J. W. Lockwood773-9141(9194)

SUPERVISORS

Accounts.....	G. B. Fewings	773-8253
Fish and Wildlife	R. M. Christie	773-3375
Lands and Parks	*K. A. Cameron.....	773-9828
Timber.....	*E. F. Johnston. St. Thomas	631-8431

ZONE FORESTERS

London	J. A. Fingland	438-7126
Dunnville	D. A. Scott	774-5811

NURSERY

St. Williams	W. H. Forman. Port Rowan	586-3863
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PROVINCIAL PARKS

Clay Creek	J. A. Matheson.. Thedford	296-4652
Holiday Beach	J. A. Bass.. Amherstburg	736-3772
Ipperwash.....	J. A. Matheson.. Thedford	296-4652
John E. Pearce .....	.....	.....
Long Point.....	T. L. Beck.... Port Rowan	586-2133
Pinery	G. C. Myers Thedford	296-4462
Port Bruce .....	.....	.....
Rock Point	D. A. Scott Dunnville	774-4242
Rondeau	J. H. Lever Ridgetown	674-2137
St. Williams .....	.....	.....
Turkey Point	W. G. Strowger.... Simcoe	426-3239
Wheatley.....	M. J. Jackson... Wheatley	825-4761

*Duty Officers.

LAKE HURON FOREST DISTRICT

Telephone

OFFICE: Hespeler 658-9356

District Forester E. K. E. Dreyer 621-7338

SUPERVISORS

Accounts	H. W. Makcrow	658-4015
Fish and Wildlife	D. R. Johnston	621-1576
Biologist	W. D. Mansell	824-6125
Timber, Forest Prot.	J. L. Mullen	745-7531
Lands and Parks	R. W. Jordan	822-1967

ZONE FORESTERS

Hespeler (Galt Zone)	R. G. Gilbert .....	.....
Hespeler (Guelph Zone) ...	N. R. Oldfield	744-6882
Stratford	L. C. Scales	271-4773
Owen Sound (Bruce County)	C. F. Coons	376-1309
Owen Sound (Grey County) .	V. W. Fisk	387-9391

FARM FORESTER

Owen Sound J. F. W. Gourlay 376-7586

PROVINCIAL PARKS

Craigleith	A. MacDonald, Collingwood	445-4467
Inverhuron	G. E. Brown Tiverton	69r6
Point Farms	C. E. Bates Goderich	524-7124
Sauble Falls	S. H. Siegrist Hepworth	935-2354

LAKE SIMCOE FOREST DISTRICT

Telephone

OFFICE: R.R. 2, Maple (416) Toronto 889-1171
Duty Officers 889-1172

District Forester..... *A. W. Leman ext 218(884-1787)

SUPERVISORS

Accounts	G. C. Bragg	ext 215
Fish and Wildlife	R. H. Trotter	ext 211
Biologist	A. A. Wainio	ext 211
Lands	W. M. Mitchell.....	ext 224
Parks	H. V. Berg.....	ext 222
Timber.....	*D. J. Vance	ext 221(884-6390)

ZONE FORESTERS

Maple, Richmond Hill.....	*J. D. Griffiths	ext 220(884-7541)
Orangeville	R. M. Monzon	(519) 941-4370
Angus	W. S. McNeice	(705) 449-5312

FARM FORESTER

Maple	*R. N. Staley	ext 213(727-5919)
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UNIT FORESTER

SRMU, Coldwater.....	G. R. Lane	(705) 686-3342
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DEPUTY CHIEF RANGER

Severn	H. H. Cochrane	(705) 686-3342
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TREE SEED PLANT

Angus	W. E. Edwards	(705) 449-5311
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NURSERY

Midhurst	J. M. Halpenny.....	(705) 728-2846
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PROVINCIAL PARKS

Bass Lake	F. B. Richardson...	(705) 326-7054
Devils Glen	L. O'Dell	(705) 429-2516
Earl Rowe	W. Braden	(705) 435-7291
Mara .....	.....	(705) 326-4451
Sibbald Point.....	D. R. Cutts	(416) 722-5182
Six Mile Lake	R. G. Ellis	(705) 686-3342
Springwater	C. D. Jackson	(705) 728-7393
Wasaga Beach	L. O'Dell.....	(705) 429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Telephone

OFFICE: Ontario Government Building, Lindsay 324-6121
(Direct line from Head Office)

District Forester *A. E. Walroth..... 324-6386

SUPERVISORS

Accounts	H. C. Wallwin	324-6121
Fish and Wildlife	*P. W. Swanson	324-4478
Forest Protection	*B. B. Benson	324-2647
Lands	*G. Simons	324-2250
Parks	*P. R. Davidson	324-3355
Timber	*E. M. Cressman	324-3825
Scaling	*R. A. Quirt	324-2715

CHIEF RANGERS

Minden	P. J. Cassidy	219W
Gooderham	W. Sarginson	Haliburton 619r4

DEPUTY CHIEF RANGERS

Minden	M. J. O'Neill	219W
Gooderham	H. N. Bates	Haliburton 619r4
Apsley	J. M. Scott	656-4361
Haliburton	S. A. Shields	387W

ZONE FORESTERS

Lindsay	J. A. Waddell	324-6121
Lindsay	G. N. Crombie	324-6121
Orono	L. J. Haas	224
Brighton	R. W. Tippet	475-2204

NURSERY

Orono	W. R. Bunting
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HATCHERIES

Codrington (Fish)	G. Groondahl ... Brighton	475-2512
Codrington (Pheasant)	E. R. Mound Brighton	475-0692
Deer Lake (Fish)	J. M. Hunt.....Havelock	778-3391

PROVINCIAL PARKS

Lindsay Area Parks.....	R. J. White	324-6121
Balsam Lake	R. M. Duffin ... Cobocok	454-3252
Darlington	J. A. Robertson .. Oshawa	723-4341
Presqu'ile	O. G. Irwin	Brighton 475-2204

*Duty Officers.

NORTH BAY FOREST DISTRICT

Telephone

OFFICE: 269 Main Street West, North Bay 474-5550
(Direct line from Head Office)

District Forester *W. B. M. Clarke 472-7545

SUPERVISORS

Accounts	J. E. Rogers	472-8426
Fish and Wildlife	*J. F. Gage	472-1599
Forest Protection	*F. M. Miller	474-5716
Lands	W. G. Turnbull	472-1744
Parks	A. D. Tremblay	474-5712
Timber	S. R. Hamilton	474-5550
Scaling	E. L. Sullivan	474-8493

CHIEF RANGERS

North Bay	*H. N. Whalen	474-5645
Temagami	J. E. Rumney	569-2231

DEPUTY CHIEF RANGERS

North Bay	*G. M. Samells	472-3646
North Bay East	R. H. Smith	472-8192
North Bay West	T. M. McCormick	472-4487
Champlain	C. H. Laberge ...Mattawa	744-2276
Marten River	H. J. Edmundson	4r3
Haddo	W. J. Hawley, Monetville	898-2441
Latchford	E. E. Lafleur	914
Temagami	H. G. Smith	569-2295
Temagami	F. E. Cannon	569-3591
Temagami	T. H. Hyatt .....	.....

PROVINCIAL PARKS

Antoine	D. McElroy.....Mattawa	744-9933
Finlayson Point	R. D. Hughes...Temagami	569-2561
Marten River.....	H. J. Edmundson	4r3
Samuel de Champlain	C. H. Laberge... Mattawa	744-2276

*Duty Officers.

PARRY SOUND FOREST DISTRICT

OFFICE: 6 Miller Street, Parry Sound 746-2141

District Forester *M. A. Adamson 746-2839

SUPERVISORS

Accounts	G. F. Walter	746-2389
Fish and Wildlife	*C. W. Douglas	746-8622
Sr. Conservation Officer ..	*J. A. Macfie	746-8330
Forest Protection	*D. Burns	746-2672
Lands	T. H. Croswell	746-5513
Parks	W. R. Peck	746-8808
Timber	W. A. Perrin	746-2479
Scaling	A. J. Tracy	746-8309

CHIEF RANGERS

Parry Sound	*J. A. Shalla	746-5541(9815)
Powassan	J. L. Hamill	724-2640(2837)
Bracebridge	R. J. Hall	645-4081(4461)

DEPUTY CHIEF RANGERS

Parry Sound	J. M. McEwen ..	McKellar 17r22
Powassan	E. R. Brooks. Trout Creek	723-5361
Bracebridge	M. Salt	645-4607
Ardbeg	R. J. Simms. Parry Sound	746-9881
Dorset	J. S. Booker	766-2212(2253)
Byng Inlet (Britt)	M. C. Kennedy	383-2361(2361)
Loring	R. F. Kimberley	757-2040(2168)

ZONE FORESTERS

Parry Sound	J. Strickland	746-2141
Powassan	L. A. Wynia	724-2640

PROVINCIAL PARKS

Grundy Lake	F. Irwin .....	.....
Killbear Point	R. Brookland	Nobel 342-5492
Mikisew	A. White	South River 386-2271
Oastler Lake	G. McRoberts...	Orrville 378-2202
Restoule	W. Davis	529-5707
Sturgeon Bay	D. Stanley. Pointe au Baril	366-2251

*Duty Officers.

PEMBROKE FOREST DISTRICT

	Telephone
OFFICE: 162 Agnes Street, Pembroke	732-3661
Duty Officers.....	732-3631
District Forester *F. E. Sider	735-5718

SUPERVISORS

Accounts	G. N. McGeachy.....	732-3661
Fish and Wildlife	H. E. Deedo.....	732-3661
Biologist	M. L. Wilton.....	732-3661
Forest Protection	*J. K. K. Legris.....	735-6396
Lands	J. Orme	732-3661
Parks	J. E. Collard	732-3661
Timber	*D. E. Gage.....	732-8864
Construction	J. A. Hindman	732-3661

CHIEF RANGERS

Pembroke.....	*R. N. Cousineau....	732-3631(4106)
Whitney.....	H. W. Hanes.....	637-2780
Stonecliffe	F. Mitchell.....	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M. I. Mantifel	732-3631
Pembroke	D. F. Palubiski	732-3631
Whitney	M. L. Doney	637-2780
Whitney	W. A. Lentz	637-2780
Whitney	J. T. Linklater	637-2780
Whitney	K. H. Moore	637-2780
Stonecliffe	R. C. Bilsborrow	586-2604
Stonecliffe	J. H. Bingley	586-2604
Achray	A. E. Prange .....	.....
Achray	S. K. Rowe .....	.....
Kiosk	W. D. Christie	165
Round Lake	C. R. Buske	Killaloe 635r2

ZONE FORESTERS

Pembroke	J. H. Buchner	732-3661
Pembroke	A. P. Matiece	732-3661
Pembroke	L. S. McCoy	732-3661
Pembroke	W. W. Wahl	732-3661

PROVINCIAL PARKS

Algonquin.....	V. W. Fiskar	633-5572(5542)
Carson Lake .....	.....	637-2780
Driftwood.....	.....	586-2604

*Duty Officers.

PORT ARTHUR FOREST DISTRICT

Telephone

OFFICE: Forestry Building,
14 North Algoma Street, Port Arthur 345-6543

District Forester *W. L. Sleeman 622-7502

SUPERVISORS

Accounts	J. D. Chadwick	345-6543
Fish and Wildlife	C. A. Elsey	344-0501
Biologist.....	H. R. Timmerman.....	344-4968
Forest Protection	*F. M. Dodds	344-5417
Assistant.....	*G. E. Doan	345-6653
Lands	W. H. Jarvis	345-6543
Parks	E. Diamond	345-6543
Timber .....	.....	.....
Scaling	J. W. E. Peden	345-6543

CHIEF RANGERS

Port Arthur.....	*S. O. Russell	344-8157
Armstrong	J. A. Moore .....	.....
Shebandowan	G. C. Murray .....	.....

DEPUTY CHIEF RANGERS

Port Arthur.....	V. Hansen.....	.....
Armstrong.....	G. J. Frenette .....	.....
Shebandowan	J. B. Monteith .....	.....
Shebandowan	W. M. Pennock .....	.....
Fort William.....	N. J. Small .....	.....
Black Sturgeon	R. D. Killer
Upsala.....	L. W. Reid
Nipigon.....	J. R. Morton.....

NURSERY

Fort William.....	R. J. Burgar.....
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PROVINCIAL PARKS

Inwood	L. W. Reid	Upsala 34
Kakabeka Falls.....	G. Whitefield	623-0176
Middle Falls	T. Hill.....	Pigeon River 1r23
Sibley	W. C. Holt .....	.....

*Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Telephone

OFFICE: Airdrome Building, Sault Ste. Marie 949-1231

District Forester *J. S. Ball..... 253-8564

SUPERVISORS

Accounts	G. J. Murray.....	254-3847
Fish and Wildlife	C. A. Lewis.....	253-3442
Biologist.....	N. R. Payne	253-9747
Forest Protection .....	* .....	.....
Fire Control Officer .....	* .....	.....
Lands	J. M. Small	253-6933
Parks	G. M. Connell.....	785-3458
Timber.....	*L. H. Eckel.....	253-6311
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie.....	C. E. Tregonning	253-3478
Blind River	J. A. Huppe.....	256-7166
Lake Superior.....	E. M. Montgomery	856-4211

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	W. J. Lovering.....	849-2350
Blind River	H. J. Stoneman	849-2412
Kirkwood	D. W. Hemphill, Thessalon	842-3130
Kirkwood	I. E. Seabrook, Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Red Rock	G. N. Gibson	856-7051
Pancake Bay	R. H. Gemmill Batchawana	2317
Mount Lake	G. R. Murray, Blind River	356-7554
Ranger Lake	A. R. McClelland Desbarats	782-8401
Elliot Lake	C. J. Osborne	848-2741
Agawa.....	F. E. Senecal .. Wawa, Agawa Bay	312
Peshu Lake	C. D. Vaughan	256-2234

KIRKWOOD MANAGEMENT FOREST

Little Rapids, Thessalon W. K. Fullerton

PROVINCIAL PARKS

Batchawana	G. Black	2317
Lake Superior.....	F. E. Senecal Wawa, Agawa Bay	312
Mississagi.....	C. J. Osborne Elliot Lake	848-2741
Pancake Bay	G. Black	Batchawana 2317

*Duty Officers.

SIoux LOOKOUT FOREST DISTRICT

	Telephone
OFFICE: 18 Fourth Avenue, Sioux Lookout	737-1140
District Forester..... *R. A. Baxter	737-2261
Assistant	*J. E. Barnes..... 737-3620

SUPERVISORS

Accounts	D. W. Munch	737-2892
Fish and Wildlife	C. E. Perrie	737-1562
Biologist	A. E. Armstrong	737-3750
Forest Protection	*E. W. Bouchev	737-3622
Lands and Parks	E. Fraehlich	737-2953
Timber	G. A. Ashenden	737-2243
Management Forester.....	J. H. Sellers.....	737-1033
Scaling	R. E. Chornopski.....	737-1530

CHIEF RANGERS

Sioux Lookout	G. M. Fenelon	737-1140(1730)
Red Lake	D. R. Williams	475 (22)
Pickle Lake	S. W. Hanson	3111
Ignace	F. R. Nicoll	934-2233(2449)

DEPUTY CHIEF RANGERS

Sioux Lookout	G. A. Baverstock ...	737-1140(1229)
Sioux Lookout	C. W. Clark	737-1140(3099)
Sioux Lookout	J. W. Lyon.....	737-1140(2133)
Sioux Lookout	S. A. Sprager	737-1140(1779)
Red Lake	A. R. Larson	475 (755)
Red Lake	J. S. Legace	475
Red Lake	A. H. Snow	140
Pickle Lake	I. Lawson	3111 (3471)
Ignace	D. R. Fortner	934-2233

PROVINCIAL PARKS

Pakwash.....	R. Williams.....	.....
Ojibway.....	G. Fenelon .....	.....

*Duty Officers.

SUDBURY FOREST DISTRICT

Telephone

OFFICE: 172 Elm Street West, Sudbury..... 674-3151
(Direct line from Head Office)

District Forester *G. A. Hamilton..... 674-1503

SUPERVISORS

Accounts	G. Jennings	673-1973
Fish and Wildlife	C. Bibby	675-7815
Biologist	D. I. Gillespie	674-3151
Forest Protection	*L. G. Ridsdill	566-2384
Fire Control Officer	*W. A. Humphrey	969-4910
Lands	A. S. Currie	675-8402
Parks	L. R. Davey	673-1012
Timber	H. Henry	566-0248
Scaling	G. Munro	853-4490

CHIEF RANGERS

Sudbury.....	*W. Wetow	673-7458
Skead	V. Bragg.....	969-2361
Espanola	E. Morin	869-2075

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	K. Kukkonen	673-0973
Sudbury	G. Van Horn	675-5815
Skead	D. R. Hand	969-4019
Skead	U. A. Penttinen	969-2502
Skead	A. T. Proulx	969-2503
Espanola	W. Piche.....	869-1675
Massey.....	F. A. Hansson ... Spanish	844(114W)
Windy Lake	D. H. Kohls	966-2315
Jamot	L. P. MacDonald	857-2004

PROVINCIAL PARKS

Chutes	F. A. Hansson .. Spanish	884 (114W)
Fairbank	R. St. Germain	Worthington
Killarney.....	J. Maddison	Killarney
Windy Lake	D. H. Kohls	966-2315

*Duty Officers

SWASTIKA FOREST DISTRICT

Telephone

OFFICE: Swastika Kirkland Lake 642-3222

District Forester *J. D. Hughes 567-5604

SUPERVISORS

Accounts	H. Michiel	567-7548
Fish and Wildlife	D. Waldriff	568-8712
Biologist.....	J. F. Gardner.....	642-3489
Forest Protection	*L. L. Bronson	567-4708
Lands	J. McDougall	567-4732
Parks	H. Mattson	567-4054
Timber	A. H. Peacock	567-6766
Scaling	F. Thib Englehart	544-2136

CHIEF RANGERS

Swastika	*L. E. St. Pierre	642-3211(567-4673)
Matheson	V. L. Wilson.....	119(399)
Elk Lake	G. L. Jones	28(85)

DEPUTY CHIEF RANGERS

Swastika West	E. C. Borden	642-3211(3420)
Swastika East	M. C. Mitchell ..	642-3211(544-7619)
Matheson West	A. A. Peever.....	119(421)
Matheson East	G. Cahill.....	119(179)
Elk Lake	W. E. Bond	28(53-B)
Matachewan.....	D. W. Butler	28
Englehart.....	L. J. Wickware.....	544-2331(2452)
Larder Lake	W. B. Hill	165(429)

NURSERY

Swastika	D. Jefferson.....	642-3339
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FISH HATCHERY

Hill Lake	P. Graf	544-2834
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PROVINCIAL PARKS

Esker Lakes	O. Ranta	642-3222
Kap-Kig-Iwan	E. W. Lee Englehart	544-2050

*Duty Officers.

TWEED FOREST DISTRICT

Telephone

OFFICE: Municipal Bldg., Metcalfe St., Tweed. (613) 478-2330

District Forester..... *N. D. Patrick 478-2246

SUPERVISORS

Accounts	J. A. Vance	478-3022
Fish and Wildlife	R. E. Whitfield	478-2513
Biologist	W. F. Cheshire	478-3437
Forest Protection	*B. T. Dunne	478-2906
Lands	L. G. Rowson	478-2527
Parks	*W. H. Cantelon	478-3111
Timber	*C. J. Heeney	478-2330
Scaling	W. J. Everett	478-3026

CHIEF RANGERS

Tweed	J. J. Shalla	478-2338(2900)
Dacre .....	.....	649-2218
Bancroft	O. Goodman	47(108-W)
Napaneer	E. W. Ferguson	354-4766(3081)

DEPUTY CHIEF RANGERS

Tweed	D. Mumford	478-2338(2208)
Dacre	J. J. Windle	649-2218(432-5256)
Bancroft	R. E. Sutherland	47
Bancroft	L. H. Wright	47
White Lake	H. E. Clark	335-2115
Plevna	W. Gorr	38(7J)
Green Lake	J. I. McKenzie .....	.....
Palmer Rapids	R. Musciow	7(31)

ZONE FORESTERS

Tweed	W. W. Hiscock	473-2538
Dacre	F. Walker	649-2218
Bancroft	E. Markus	47(498)
Napaneer	E. Edson	354-4766(Bath 91)

HATCHERY

White Lake	A. M. Snider	335-2115(5308)
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PROVINCIAL PARKS

Black Lake	H. E. Clark	Sharbot Lake 198
Bon Echo	G. L. McMurray	336-2228(2660)
Lake St. Peter	O. Goodman	Bancroft 47(108-W)
Outlet Beach, Sandbanks...	R. J. Davison	393-3314(2007)

*Duty Officers.

WHITE RIVER FOREST DISTRICT

Telephone

OFFICE: White River 186

District Forester..... G. A. McCormack 186(294)

SUPERVISORS

Accounts	W. C. Johnstone.....	148 (59)
Fish and Wildlife	E. A. Pozzo.....	186 (131)
Biologist	M. R. Wolfe	186 (246)
Forest Protection	W. Kitt	186 (391)
Lands and Parks.....	J. J. Sargent	186 (364)
Timber	W. C. Stevens	186 (255)
Scaling	J. E. Hamilton	186 (5)

CHIEF RANGERS

White River.....	V. E. Niemi.....	149 (392)
Wawa	J. C. MacDonald ,...	856-2445(2155)

DEPUTY CHIEF RANGERS

White River.....	I. Rives	149 (29-J)
Wawa.....	C. R. Petrosky.....	856-2120
Wawa.....	J. D. Schreiber	856-2120(7132)
Franz	P. McDonald.....	2216
Manitouwadge	B. T. Cannon	826-3225(3760)

ONTARIO FOREST RANGER SCHOOL

	Telephone
DORSET	766-2242
Director	Q. F. Hess 766-2359 B. sc. F., F. E., R. P. F.
Accountant	J. Palmer 789-4345
Registrar	W. Chambers.... Minden 514r23
Maintenance Supt.	E. Hayward 766-2304
Chef.....	M. McCallum 766-2242
Nurse, Housekeeping Sup. .	Mrs. P. Briscoe, R. N... 766-2237

FACULTY

Head, Forestry Section; Silviculture, Certificate and other courses	J. E. Dickenson 789-2336 B. sc. F., R. P. F.
Head, Fish and Wildlife Sect; Fish and Wildlife, English, Certificate and other courses.....	V. B. Collins..... 766-2335 B. A., M. S. A.
Forest Fire Control Training in Ontario	G. D. MacAdam 766-2386
Dendrology, Soils, Forest Protection	E. Goodman 766-2312 R. P. F.
Dendrology, Mathematics, Road Construction	D. L. Lillow 766-2238
Mensuration, Scaling courses	G. J. Pennock..... 635-2953
Mensuration, Utilization, Camp Clerking	J. D. Ryan 766-2336
Surveying, Drafting.....	W. P. Small 766-2344
First Aid (St. John Ambulance Course).....	Mrs. P. Briscoe..... 766-2237 R. N.
Forest Pathology, Utilization, University of Toronto Forest	G. Wilson 789-5360 (University of Toronto) B. sc. F., R. P. F.

NEW POLICES

NEW POLICIES

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

R. N. Johnston was appointed Chief on January 1, 1944, and Director on October 1, 1957; he retired on September 15, 1964.

A. P. Leslie was appointed Chief on September 15, 1964.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a framework for forest management by establishing ecological types---combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started---two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

FISHERIES

K. H. LOFTUS

WILDLIFE

R. O. STANDFIELD

FORESTRY

D. H. BURTON

MECHANICS

M. H. BAKER

STATISTICS

T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

Wood quality studies were started in 1962 to gain an understanding of the specific physical and chemical qualities of commercially important tree species.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

A new project was begun in 1962 to co-ordinate limnological research and collect data which are specifically related to studies on the fluctuations in year-class strengths of commercial and game fish.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife----mainly forest damage caused by deer, rodents and hares.

NEW POLICIES

[illegible]

NEW POLICIES

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J. A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

J. A. Brodie was appointed Director of the Forestry Study Unit established on August 31, 1964.

M. B. Morison was appointed Chief on September 1, 1964.

TIMBER BRANCH

Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R.W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

SILVICULTURE SECTION

Supervisor: A.J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: J.W. Giles

Sales, Licensing
Stumpage Appraisal
Scaling

Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904.

The nursery was moved to St. Williams in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands, Forests and Mines.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for the Forestry Branch in 1926. He was Chief of Reforestation Division from 1941 until he was succeeded by G.H.U. Bayly on March 1st, 1953. Mr. Bayly retained this office until he was appointed Assistant Deputy Minister when the Department was reorganized in 1957.

Reforestation Section administers the collection of tree seed, the processing and planting of seed, nursery production, the distribution of nursery stock to the public, and the supply of trees for planting on Crown lands and Agreement Forest lands. It is carrying out a programme to improve the quality of seeds and seedlings. In the reforestation programme, it administers agreements made between the Minister and Corporations such as Authorities, Counties and Townships.

The Section allocates monies appropriated by the Legislature to conservation authorities and municipalities to assist them in the acquisition of lands that are suitable for forestry purposes and that are managed under agreement with the Department.

The Section has recently expanded the Private Land Forestry programme which includes technical assistance and advice to private landowners to encourage the growth and management of wood-lots.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1965

SEED PLANTS	YEAR ESTABLISHED
Angus	1923
St. Williams.....	1908

FOREST STATIONS

Chapleau.....	1956
Dryden	1958
*Fort William	1946
Gogama.....	1956
*Kemptville	1946
*Midhurst.....	1922
*Orono	1922
Sault Ste. Marie	1956
*St. Williams.....	1908
Swastika	1958
White River	1956

NURSERY STOCK furnished in year ended March 31, 1965

White Spruce.....	16,290,952	Red Spruce.....	154,200
White Pine	10,250,875	Red Oak	120,775
Red Pine	9,391,180	European Larch ..	96,560
Jack Pine	6,312,850	Black Locust.....	78,325
Black Spruce	3,104,710	White Ash.....	55,345
Scotch Pine.....	2,118,706	Tamarack	25,550
White Cedar	735,944	Others.....	55,228
Carolina Poplar..	312,555		
Norway Spruce...	217,460		
Silver Maple.....	162,853	TOTAL.....	49,484,068

*Demonstration forests. All forest stations include tree nurseries.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1, 480, 539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
1945-1946	13, 175, 575
1946-1947	12, 269, 533
1947-1948	13, 049, 776
1948-1949	17, 700, 970
1949-1950	19, 027, 807
1951-1952	20, 749, 268
1952-1953	24, 241, 754
1953-1954	23, 448, 860
1954-1955	25, 519, 383
1955-1956	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
TOTAL.....	798, 503, 154

DISPOSITION OF NURSERY STOCK

in year ended March 31, 1965

Furnished in respect of private lands	10, 791, 980
Furnished for educational or scientific purposes	140, 516
Furnished for use of Ontario.....	38, 551, 572
TOTAL.....	49, 484, 068

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1960	1961	1962	1963	1964	1965	1955-65
Alboma.....	426,425	281,950	221,525	266,075	229,525	243,475	2,883,725
Brant.....	161,450	140,425	130,050	99,650	93,350	83,450	1,345,125
Bruce.....	143,050	156,400	148,575	94,800	97,025	94,850	1,374,250
Carleton.....	148,275	145,125	290,925	223,750	215,850	216,125	1,839,825
Cochrane.....	17,800	54,550	59,350	60,450	3,500	2,375	233,325
Dufferin.....	471,000	877,600	425,725	430,525	353,125	271,000	6,290,625
Dundas.....	52,925	86,425	58,875	39,600	56,825	22,875	471,250
Durham.....	729,450	544,475	257,675	240,750	394,400	480,600	7,270,725
Elgin.....	146,875	220,425	96,225	135,450	130,750	65,475	1,485,775
Essex.....	73,300	56,325	26,300	38,525	36,225	56,525	452,800
Frontenac.....	171,025	138,200	146,325	128,950	107,575	120,250	1,161,075
Glengarry.....	43,400	78,900	75,525	61,775	26,175	41,625	460,975
Grenville.....	133,925	217,575	189,800	169,000	135,050	141,450	1,237,275
Grey.....	753,825	710,825	365,625	352,675	260,550	466,950	5,453,880
Haldimand.....	84,025	111,625	106,725	58,075	76,375	85,350	707,375
Haliburton.....	147,300	119,050	139,450	114,950	122,925	93,000	1,401,475
Halton.....	200,200	241,125	148,625	153,150	146,900	224,450	2,014,175
Hastings.....	446,000	433,125	305,900	389,750	251,400	313,375	3,658,100
Huron.....	250,750	276,025	201,250	205,950	190,800	190,150	2,420,645
Kenora.....	8,625	13,975	34,850	42,950	48,175	69,625	263,050
Kent.....	105,825	75,650	49,675	33,875	30,550	71,725	797,625
Lambton.....	161,375	134,175	134,225	96,075	78,875	110,550	1,177,325
Lanark.....	212,825	179,625	125,400	146,225	121,625	162,350	1,655,000
Leeds.....	93,900	123,050	105,250	73,400	71,575	65,500	758,625
Lennox & Addington...	172,325	92,825	96,325	107,975	59,125	87,525	1,026,950

Lincoln.....	57,025	28,925	79,150	53,050	31,900	52,650	513,550
Manitoulin.....	61,325	50,375	68,600	29,600	21,625	27,775	1,049,550
Middlesex.....	147,100	301,125	494,425	287,625	265,275	240,575	2,476,775
Muskoka.....	483,475	288,150	271,775	199,850	201,825	151,600	3,894,625
Nipissing.....	149,250	91,175	90,975	59,725	84,550	32,275	1,255,050
Norfolk.....	312,200	317,125	289,150	273,050	249,325	230,625	2,757,700
Northumberland.....	317,650	255,550	354,675	131,900	96,425	148,700	2,830,725
Ontario.....	675,075	652,550	468,675	459,625	342,325	348,075	5,168,475
Oxford.....	146,925	119,625	146,750	101,125	96,900	203,075	1,421,650
Parry Sound.....	556,375	450,600	339,300	280,225	235,850	262,325	5,613,175
Peel.....	353,275	414,050	602,925	503,725	376,850	576,175	4,340,225
Perth.....	157,150	53,550	46,625	64,000	40,750	77,850	807,150
Peterborough.....	162,725	123,700	128,675	120,700	142,175	112,650	1,731,890
Prescott.....	75,500	747,025	221,025	170,425	63,300	79,225	1,634,700
Prince Edward.....	21,350	51,525	37,325	24,075	14,525	49,150	269,600
Rainy River.....	179,700	140,425	146,000	92,800	71,350	63,175	912,000
Renfrew.....	386,675	389,875	458,150	391,550	288,550	252,575	3,433,150
Russell.....	150,400	165,875	78,700	5,200	108,250	139,075	803,975
Simcoe.....	1,444,225	1,085,925	321,350	516,525	700,325	1,326,350	12,737,995
Stormont.....	29,800	115,225	51,375	91,600	56,575	75,500	468,900
Sudbury.....	111,425	169,700	121,875	134,775	190,325	167,200	1,243,750
Thunder Bay.....	254,850	271,075	315,975	188,750	184,550	682,230	1,667,805
Timiskaming.....	23,450	17,700	28,075	14,600	19,175	23,900	257,875
Victoria.....	168,175	129,800	138,450	135,600	112,400	72,275	1,402,200
Waterloo.....	248,525	176,975	181,650	201,200	150,625	218,675	2,178,100
Welland.....	138,550	134,175	227,275	205,975	259,500	184,225	1,592,550
Wellington.....	525,100	224,800	299,850	197,650	442,800	389,800	3,859,575
Wentworth.....	348,650	315,700	257,825	205,350	216,675	284,950	2,686,250
York.....	785,325	916,300	799,000	592,675	613,450	538,700	6,814,330
TOTAL.....	13,809,125	13,708,050	11,505,775	9,597,300	9,016,400	10,791,980	124,614,170

CONSERVATION AUTHORITIES	Date of Agreement	Added during 1964-65	Total
Ausable River.....	Dec. 13, 1951		4,249.00
Big Creek Region.....	Dec. 2, 1954	487.00	3,125.90
Catfish Creek.....	Dec. 19, 1962	100.00	501.00
Central Lake Ontario.....	Sept. 24, 1963		145.00
Crowe Valley.....	Aug. 21, 1963		200.00
Ganaraska Region.....	Jan. 31, 1947	154.00	8,132.60
Grand Valley.....	Mar. 18, 1952	150.00	5,433.06
Lakehead Region.....	May 15, 1958		1,256.70
Lower Thames Valley.....	Aug. 12, 1964	300.00	300.00
Maitland Valley.....	Apr. 1, 1955		949.00
Metropolitan Toronto and Region...	Apr. 11, 1951		1,878.00
Moirs River.....	Nov. 28, 1951	863.00	13,438.00
Napanee Valley.....	Oct. 28, 1954		6,145.00
Niagara Peninsula.....	June 6, 1963		186.00
North Grey Region.....	June 25, 1958	995.00	5,833.00
Otonabee Region.....	May 15, 1963	415.00	1,215.00
Otter Creek.....	Apr. 26, 1957	175.00	1,435.00
Sauble Valley.....	Sept. 29, 1959	184.00	2,102.00
Saugeen Valley.....	Dec. 15, 1952	814.00	11,343.00
South Nation River.....	Mar. 28, 1960	140.00	366.50
Spencer Creek.....	Oct. 19, 1962		12.50
Upper Thames River.....	Apr. 11, 1951	20.00	3,364.36
Sub-Totals.....		4,797.00	71,610.62

COUNTIES

Brant.....	Nov. 15, 1952		50.00
Bruce.....	Jan. 20, 1950	300.00	15,453.35
Carleton.....	July 30, 1964	680.00	680.00
Dufferin.....	Nov. 26, 1930		2,305.00
Grey.....	Dec. 21, 1937	100.00	8,278.08
Halton.....	Mar. 14, 1950	53.00	1,298.63
Huron.....	Nov. 27, 1950		1,439.00
Kent.....	Dec. 23, 1953		75.39
Lanark.....	July 5, 1940		3,346.00
Leeds & Grenville.....	Apr. 24, 1940	200.00	6,264.50
Lennox & Addington.....	Apr. 3, 1952		1,186.00
Middlesex.....	Mar. 8, 1954	100.00	1,119.50
Northumberland & Durham.....	June 10, 1924		4,877.00
Ontario.....	July 9, 1930		2,000.00
Oxford.....	Sept. 1, 1950		716.56
Prescott & Russell.....	Mar. 15, 1937		23,485.83
Renfrew.....	Dec. 26, 1951	1,551.00	5,983.00
Simcoe.....	June 19, 1925	265.00	18,969.04
Stormont, Dundas & Glengarry.....	Sept. 20, 1949		2,048.45
Victoria.....	Aug. 10, 1928		7,044.00
Waterloo.....	Apr. 17, 1950		710.48
Wellington.....	June 18, 1964	1,100.00	1,100.00
Wentworth.....	Nov. 27, 1952		889.30
York.....	Mar. 27, 1924	157.00	4,074.08
Sub-Totals.....		4,506.00	113,393.19

TOWNSHIPS

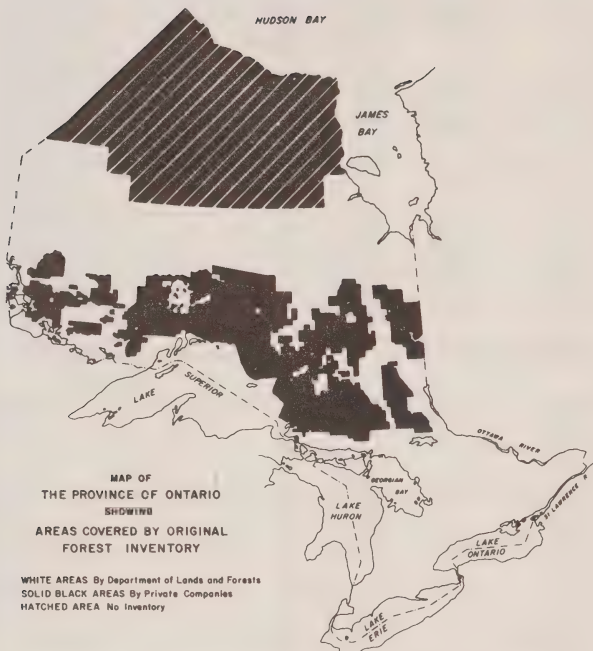
Bonfield.....	Apr. 1, 1952		60.00
Charlottenburgh.....	Apr. 1, 1955		175.00
Cramake.....	Jan. 14, 1964		162.00
Cumberland.....	May 29, 1952		808.44
Darlington.....	Aug. 19, 1964	140.00	140.00
Galway & Cavendish.....	Nov. 1, 1952	519.00	619.00
Machar.....	Dec. 30, 1963		90.00
Marlborough.....	Nov. 21, 1953		200.00
Mosa.....	July 16, 1964	72.00	72.00
Torbolton.....	Mar. 28, 1953		430.80
Williamsburgh.....	Oct. 19, 1962		400.00
Sub-Totals.....		731.00	3,157.24

TOTALS.....

10,034.00 188,161.05

NEW POLICIES

[illegible]



SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

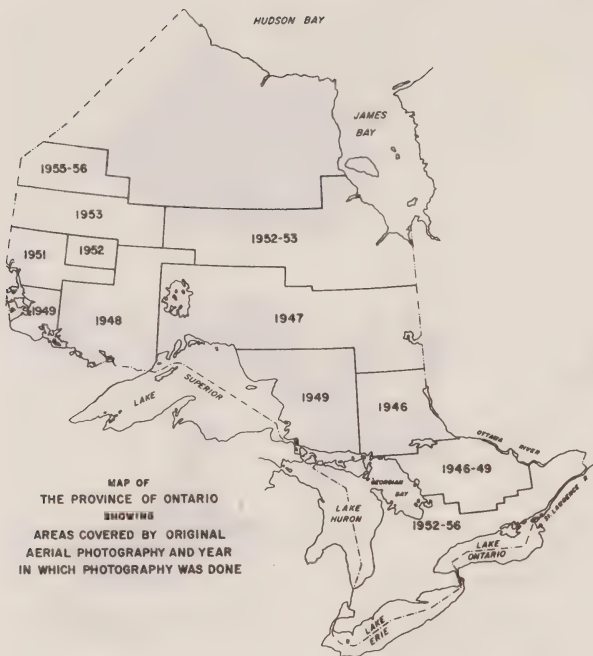
The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.



The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By March 31, 1965, approximately 137,200 square miles had been rephotographed, and detailed forest stand data had been obtained on 35,137 square miles.

With accurate forest data for Crown Management Units, it is possible to prepare plans for the organization and orderly utilization of the forest - a more intensive level of management than previously was possible. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in ten-, and twenty-year periods, a licensee can be shown and assured of his future wood supplies.



The plans of Company Management Units are prepared by the company from its own data. The Department checks the area and volume calculations and, when satisfied, recommends the acceptance of the plans.

The program of tree planting, seeding, and stand improvement is to maintain the productivity of Crown lands. Thus, a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

The silviculture program includes tree planting, direct seeding (both from helicopters and on the ground, using various seeding devices), thinning of young stands, pruning selected crop trees, girdling or poisoning of unwanted trees, and aerial spraying of stands to release young trees.

HUDSON BAY

JAMES
BAY

1965

1962

1961

1963

1959

LAKE SUPERIOR

1964

1959

1958

OTTAWA RIVER

1958

1960

LAKE HURON

GEORGIAN BAY

LAKE ONTARIO

LAKE ERIE

ST. LAWRENCE R.

MAP OF
THE PROVINCE OF ONTARIO
SHOWING
AREAS COVERED BY RE-PHOTOGRAPHY
AND YEAR IN WHICH
PHOTOGRAPHY WAS DONE

MANAGEMENT UNITS as of March 31st

Year	Company	Crown	Total
1954	36	87	123
1955	36	81	117
1956	39	82	121
1957	41	80	121
1958	43	81	124
1959	48	77	125
1960	101	72	173
1961	79	76	155
1962	79	78	157
1963	77	79	156
1964	75	81	156
1965	71	81	152

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1958	1959	1960	1961	1962	1963	1964	1965
Scarification and other site preparation.....	6,704	9,000	8,824	4,247	1,035	2,307	3,802	3,793
Scarification with cone scattering or seeding...	.....	.....	.....	.....	2,263	1,211	3,203	5,529
Cleaning and clearing...	6,980	2,507	1,745	5,208	12,053	6,768	9,581	7,559
Brush Control.....	4,057	8,562	179	39	3,906	2,595	6,165	8,728
Prescribed Burning.....	.....	.....	.....	.....	.....	66	97	.....
Thinning.....	2,225	550	225	1,158	583	2,286	1,973	1,902
Pruning.....	.....	.....	76	4,080	4,870	3,111	3,088	3,666
Xmas Tree Culture.....	.....	.....	.....	706	509	Discontinued	.....	.....
Improvement Cutting.....	1,510	.....	.....	2,525	2,810	1,496	352	181
Girdling, Frilling and Poisoning.....	.....	.....	772	2,912	2,754	3,182	6,655	4,974
Free Marking.....	.....	.....	.....	3,328	.....	7,465	31	19,047
Harvest Cutting.....	.....	.....	406	425	1,498	1,824	923	1,047
Deer Yard Improvement...	.....	.....	.....	.....	.....	.....	664	2,463
TOTAL.....	21,476	20,619	12,227	24,628	32,281	32,311	36,534	58,889

TREES PLANTED ON CROWN LANDS in years ending March 31st

DISTRICT	1960	1961	1962	1963	1964	1965	1955-65
Aylmer.....	70,598	97,633	104,458	145,362	208,345	178,490	1,959,598
Chapleau.....	3,037,004	3,568,850	2,691,500	3,538,120	3,401,050	4,541,825	24,895,089
Cochrane.....	1,176,842	2,077,248	1,547,250	1,786,000	1,830,000	2,107,400	13,360,320
Fort Frances....	555,939	993,000	418,946	1,204,100	1,201,300	1,511,400	7,819,750
Geraldton.....	1,112,500	1,816,450	1,144,650	1,851,785	3,024,070	2,656,110	12,834,385
Gogama.....	2,875,000	3,283,400	3,695,525	4,210,925	3,818,975	3,938,300	20,555,672
Hespeler.....	7,015	53,950	15,025	51,000	18,500	41,540	362,940
Kapuskasing....	1,237,600	1,308,759	1,214,400	1,216,275	1,443,500	2,047,000	10,664,159
Kemptville.....	104,967	170,077	114,406	73,295	58,040	87,795	926,135
Kenora.....	453,800	518,612	479,206	369,900	1,080,600	463,600	4,388,928
Lindsay.....	694,397	829,392	606,987	489,700	542,090	846,359	6,644,605
Maple.....	468,273	504,163	580,445	263,293	168,067	61,475	3,668,793
North Bay.....	703,111	1,051,694	828,806	643,000	849,000	957,800	6,199,401
Parry Sound....	908,050	1,142,080	599,111	545,165	364,948	639,380	8,031,512
Pembroke.....	771,835	1,139,875	1,260,236	1,207,022	1,374,600	1,628,595	11,257,876
Port Arthur.....	953,600	1,960,575	1,702,275	1,491,800	2,015,000	1,603,000	12,510,976
Sault Ste. Marie	2,760,000	3,534,145	3,682,390	3,828,956	3,402,885	3,922,200	26,080,908
Sioux Lookout...	225,796	300,000	211,700	141,200	250,400	590,100	2,154,196
Sudbury.....	1,643,147	2,374,314	1,840,889	1,890,525	1,759,337	2,528,720	13,421,526
Swastika.....	1,402,721	1,925,343	2,124,903	2,246,795	1,633,068	1,950,057	14,295,652
Tweed.....	1,075,653	1,268,600	938,010	912,000	1,356,050	1,034,000	9,481,697
White River.....	1,130,000	1,575,125	699,050	905,500	954,350	384,000	6,409,725
Miscellaneous...	80,270	71,323	102,552	79,303	.....	.....	406,408
TOTAL.....	23,448,118	31,564,608	26,602,720	29,091,021	30,754,175	33,719,146	221,330,231
Trees Planted By Department	27,562,247	35,630,393	31,666,530	33,958,451	34,752,240	38,100,461	263,440,948

TREES PLANTED ON FORESTS MANAGED BY THE MINISTÈRE in years ending March 31st

CONSERVATION AUTHORITY	1960	1961	1962	1963	1964	1965	1955-65
Ausable River.....	284,200	254,360	270,500	442,500	135,550	399,000	2,190,835
Big Creek Region.....	25,800	22,600	23,500	115,300	29,125	32,500	3,357,925
Catfish Creek.....	.....	.....	.....	32,500	46,000	36,000	114,500
Central Lake Ontario..	.....	.....	.....	69,000	14,000	.....	83,000
Crowe Valley.....	.....	.....	.....	.....	.....	24,750	24,750
Ganaraska Region.....	257,950	376,500	273,500	343,000	127,500	128,000	2,392,500
Grand Valley.....	230,950	502,250	392,400	250,300	101,600	63,900	2,433,450
Lakehead Region.....	11,500	60,000	80,000	40,000	.....	.....	193,000
Maitland Valley.....	20,000	62,500	13,000	8,400	.....	127,900	309,305
Metro Toronto & Region	22,000	139,750	120,300	67,000	51,100	19,300	740,450
Moirs River.....	96,200	175,200	242,500	217,000	307,000	226,650	1,440,950
Napanee Valley.....	.....	.....	.....	30,000	.....	21,000	71,000
Niagara Peninsula.....	.....	.....	.....	.....	.....	20,000	20,000
North Grey Region.....	94,800	169,000	214,700	172,170	95,325	87,250	908,245
Otter Creek.....	3,200	13,000	6,000	1,000	.....	.....	23,200
Sauble Valley.....	.....	94,000	9,000	.....	11,500	2,600	117,100
Saugeen Valley.....	200,300	137,500	423,600	115,850	185,050	170,975	1,956,825
South Nation River....	.....	.....	125,000	21,000	16,000	52,000	214,000
Upper Thames River....	21,600	20,600	70,100	40,000	36,500	.....	605,000
SUB-TOTAL.....	1,268,500	2,027,260	2,263,900	1,965,020	1,156,250	1,412,025	14,396,635
TOWNSHIP							
Chapple.....	41,200	.....	.....	.....	.....	.....	51,375
Charlottenburgh.....	.....	25,000	.....	.....	.....	.....	35,250
Cramahe.....	.....	.....	.....	.....	.....	10,000	10,000
Cumberland.....	.....	.....	.....	.....	.....	2,375	66,375
Emo.....	.....	.....	.....	.....	.....	.....	9,725
Galway, Cavendish....	18,775	12,025	.....	.....	.....	43,500	92,275
Machar.....	.....	.....	.....	.....	.....	45,000	45,000
Marlborough.....	27,000	4,475	17,000	90,550	10,000	.....	296,875
Torbolton.....	50,500	.....	50,500	62,000	.....	20,000	411,125
Williamsburgh.....	.....	.....	.....	.....	100,000	20,000	120,000
SUB-TOTAL.....	137,475	41,500	67,500	152,550	110,000	140,875	1,120,025

National Capital Commission.....		.....	150,000	721,080	658,950	541,850	2,071,880
COUNTY							
Brant.....	.....	.....	.....	500	.....	.....	11,950
Bruce.....	87,000	99,000	140,700	19,500	35,000	54,900	928,050
Carleton.....	.....	.....	.....	.....	.....	110,000	110,000
Dufferin.....	33,500	1,500	3,000	12,600	8,000	3,000	86,100
Grey.....	182,799	40,500	213,300	69,480	45,300	29,950	1,408,929
Halton.....	26,500	4,500	38,700	21,650	1,800	61,000	254,950
Huron.....	72,000	85,700	88,510	31,100	98,500	25,095	571,225
Kent.....	.....	.....	.....	.....	.....	4,000	21,200
Lanark.....	.....	171,000	34,350	118,750	78,000	269,000	765,775
Leeds & Grenville....	336,000	102,000	146,700	152,000	185,000	265,200	1,991,450
Lennox & Addington..	.....	12,800	20,500	114,000	.....	3,600	214,500
Middlesex.....	19,350	8,000	20,500	30,500	8,000	22,500	186,450
Northumberland and Durham.....	61,050	94,500	136,200	172,000	147,500	110,000	914,100
Ontario.....	84,500	12,000	100,600	3,500	8,000	4,800	277,900
Oxford.....	27,000	44,000	25,100	10,000	.....	11,000	195,350
Prescott & Russell...	1,093,930	767,600	239,500	315,800	405,365	240,125	7,566,456
Renfrew.....	.....	40,000	380,000	283,000	340,000	420,000	1,556,400
Simcoe.....	345,500	193,500	433,000	349,400	540,200	398,425	3,844,145
Stormont, Dundas and Glengarry.....	66,000	105,000	196,500	78,000	93,650	150,300	819,250
Victoria.....	138,225	85,475	219,250	185,000	64,750	44,500	1,102,047
Waterloo.....	95,000	.....	7,250	11,500	4,500	.....	324,950
Wellington.....	.....	.....	.....	.....	.....	29,950	29,950
Wentworth.....	.....	55,700	12,000	12,000	2,500	.....	548,400
York.....	18,500	74,250	126,800	38,500	6,800	29,400	522,550
SUB-TOTAL.....		1,997,025	2,582,460	2,028,780	2,072,865	2,286,565	24,522,177
TOTAL.....		4,114,129	5,063,860	4,867,430	3,998,065	4,381,315	42,110,717

NEW POLICES

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- (1) "District Cutting Licences" - small short-term sales which are administered entirely within a particular District.
- (2) "Licences to Cut Crown Timber" - this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to Cut Crown Timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

The supervision of scaling procedures throughout the Province is the responsibility of the Branch including the setting of scaler's examinations and the issuance of licences to scalers who are then qualified to measure Crown timber and make scaling returns for the calculation of Stumpage Charges.

Statistics are compiled on the volume and value of forest products harvested from Crown lands. A Directory of Primary Wood-Using Industries in Ontario has been compiled and is maintained. Monthly marketing reports are published. Forest products and mill licensing has been delegated to the District offices who report annually on the volume produced by each mill.

Reports are prepared describing forest industry opportunities in specific localities in the Province in co-operation with other Provincial Departments and the Federal Government to provide information for prospective investors in forest products manufacturing.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
SOFTWOODS										
Balsam.....	15,146	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093
Cedar.....	77	139	180	126	127	96	234	197	97	738
Hemlock.....	5,462	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872
Jack Pine.....	62,712	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779
R and W Pine..	30,550	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528
Spruce.....	193,286	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666
Tamarack.....	7	4	7	16	10	7	10	12	16	25
Fuelwood.....	944	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001
Others.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
HARDWOODS										
Birch.....	3,214	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506
Maple.....	1,527	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265
Poplar.....	6,087	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955
Fuelwood.....	836	1,020	1,652	1,054	1,166	568	1,530	1,577	1,293	1,802
Others.....	964	580	1,755	1,061	1,148	1,145	1,335	968	691	552
TOTALS										
Softwoods.....	308,184	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724
Hardwoods.....	12,628	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081
All Species..	320,812	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806
Total Value..	.....	.....	.....	.....	.....	.....	.....	10,428	10,756	11,473
(\$000's export levy not included)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1956	1957	1958	1959	1960	1961	1962	1963	1964
SOFTWOODS									
Balsam.....	14,374	13,766	12,213	10,988	13,051	4,766	12,316	11,174	10,219
Cedar.....	459	284	711	280	268	331	341	105	182
Hemlock.....	5,321	5,050	2,567	3,046	3,768	2,780	2,429	1,841	3,039
Jack Pine.....	86,664	99,997	78,225	68,415	78,243	76,857	70,903	78,485	82,232
Red Pine.....	8,070	6,150	4,989	3,581	6,188	5,037	5,291	6,029	6,446
White Pine.....	25,609	26,171	20,249	18,025	22,300	19,150	17,606	21,930	24,409
Spruce.....	205,320	207,392	180,006	157,544	186,920	191,047	178,063	182,327	183,756
Tamarack.....	102	56	64	25	26	75	36	39	28
Xmas Trees.....	32	22	8	11	3	1	1	1	1
Fuelwood.....	2,401	2,536	2,359	2,338	1,525	1,476	905	827	452
HARDWOODS									
Ash.....	42	46	72	63	83	109	65	100	95
Basswood.....	434	295	274	319	365	469	359	434	575
Beech.....	138	160	136	131	273	385	175	278	483
White Birch...	447	1,314	1,458	1,339	1,426	1,784	1,754	2,295	3,732
Yellow Birch..	6,990	6,312	7,173	6,165	7,397	6,972	6,925	8,822	8,963
Butternut.....	...	1	1	1	1	2	2	2	2
Cherry.....	14	18	12	15	27	26	20	18	22
Elm.....	194	160	192	196	256	261	274	286	267
Maple.....	4,441	3,989	4,261	3,639	4,851	5,787	5,212	6,537	7,649
Oak.....	103	109	133	127	177	239	207	276	355
Poplar.....	16,921	19,244	20,205	17,729	19,773	18,356	21,256	22,907	25,995
Fue lwood.....	1,813	1,982	1,532	1,630	1,219	1,202	1,186	1,137	1,162
TOTALS									
Softwoods.....	348,352	361,424	301,390	264,253	312,292	311,519	287,894	302,758	310,765
Hardwoods.....	31,536	33,630	35,448	31,355	35,847	35,593	37,707	43,092	49,300
All Species...	379,888	395,054	336,838	295,608	348,140	347,112	325,601	345,850	360,065
Total Value...	12,039	13,363	11,412	10,155	11,824	12,048	11,229	12,057	12,473
(\$000's, export levy not included)									

TIMBER CUT IN DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1964

DISTRICT	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulp Wood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Value
Chapleau.....	98	1,316	9,004	15	8,389	43	...	18,767	...	\$ 458	\$ 46	\$ 504
Cochrane.....	432	2,127	4,133	41	26,277	122	861	33,561	199	969	163	1,132
Fort Frances....	247	2,753	4,92	31	10,540	51	12	13,879	293	336	66	402
Geraldton.....	137	.....	3,263	82	53,513	108	458	57,424	674	1,568	132	1,700
Gogama.....	31	1,571	2,181	26	862	18	233	4,891	...	125	45	169
Kapuskasing....	825	.....	21,792	67	33,422	143	415	55,839	300	1,642	279	1,921
Kenora.....	406	8	817	174	27,446	27	25	28,497	50	784	132	916
Lindsay.....	48	2,013	.....	7	112	28	5	2,165	...	45	44	89
Maple.....	14	47	.....	...	21	26	...	94	...	2	5	7
North Bay.....	339	12,229	23	22	4,415	98	37	16,824	...	368	381	749
Parry Sound....	315	4,419	48	34	728	211	2	5,442	...	122	140	262
Pembroke.....	107	12,616	.....	601	2,306	47	1	15,571	...	360	401	761
Port Arthur.....	291	233	2,767	179	25,560	28	526	29,293	50	856	151	1,007
Sault Ste. Marie	128	13,912	6	12	1,131	84	10	15,155	...	396	366	762
Sioux Lookout...	179	3,861	708	199	14,580	284	361	20,393	...	559	60	619
Sudbury.....	252	1,773	1,817	12	6,549	132	3	10,286	...	258	96	354
Swastika.....	312	3,103	6,029	17	5,009	131	582	14,871	...	365	173	538
Tweed.....	199	3,665	.....	5	1,514	20	4	5,208	...	96	120	216
White River....	32	.....	3,288	1	8,529	8	71	11,897	...	346	43	389

(d)Includes Doyle Scale.

† Number of trees.

*Includes piling, poles, dimension timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091
1964	4,392	65,647	56,368	1,524	231,301	1,614	3,611	360,065	2	9,658	2,848	12,506

*Includes piling, poles, dimension timber.

† Number of trees in 000's.

(d)Includes Doyle Scale.

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955	731	6,435.50	85,075.40	21.10	91,532.00
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030

NEW POLICIES

[illegible]

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
Atlantic Flyway Council --- Technical Comm
Conservation Council of Ontario
Fed-Prov Advisory Comm --- Resources Development Agreement
Fed-Prov Comm for Ontario Fisheries
Fed-Prov Comm on Forestry Research
Fed-Prov Prairie Fisheries Comm
 --- Sub-Comm on Marketing
 --- Sub-Comm on Vessel Assistance
Fish and Wildlife Advisory Comm to Ontario St. Lawrence
 Development Commission
Great Lakes Deer Group
Great Lakes Fishery Commission --- Committees on:--
 --- Management and Research
 --- Sea Lamprey Control
 --- Finance
 --- Lake Erie Fisheries
 --- Lake Huron Fisheries
 --- Lake Ontario Fisheries
 --- Lake Superior Fisheries
Interdept Comm on Commercial Fishing and Gas and Oil Exploration
Interdept Comm on Wildlife Management Research (Joint Comm:
 Guelph University, Dept of Agriculture, Dept of Lands and
 Forests)
International Association of Game, Fish and Conservation
 Commissioners --- Research Comm
Midwest Pheasant Council
Mississippi Flyway Technical Comm
Ontario Forest Ranger School Advisory Council
Ontario Humane Society --- Comm on Private Zoos
Ontario Waterfowl Research Foundation --- Scientific Advisory
 Board
Water and Pollution Advisory Comm to Ontario Water Resources
 Commission.

FOREST PROTECTION BRANCH

Canada-Ontario Advisory Comm on Forestry Research
Canadian Council of Resource Ministers --- Advisory Comm
Canadian Govt Standards Board --- Comm on Forest Fire Hose
Canadian Institute of Forestry --- Youth Training
Canadian Standards Association --- Comm on Forest Fire Hose
Conservation Business Management Association
Conservation Council of Ontario

National Fire Protection Association --- Forests Comm
National Research Council --- Associate Comm on Forest Fire
Protection
North American Forestry Commission --- Fire Control Working
Group
Ontario Forestry Association --- Forest Fire Prevention Comm
Ontario Govt Comm on Pesticides
Ontario Shade Tree Council --- Technical Comm.

LANDS AND SURVEYS BRANCH

Advisory Council on Cadastral Surveys (Canada)
Canadian Permanent Comm on Geographical Names
Conservation Council of Ontario
--- Pollution Comm
--- Land Use Comm
Co-ordinating Comm on Studies of Northern Ontario Water
Resources (Ontario-Canada)
Great Lakes Institute --- Great Lakes Study Group
International Boundary Commission
International Great Lakes Levels Board --- Shore Property
Sub-Comm
International Hydrological Decade
Interprovincial Boundary Commissions
Lake of the Woods Control Board
Mining and Access Roads Comm
Ontario Professional Foresters Association --- Vocational
Guidance Comm
Ottawa River Engineering Board
Private Lands Liaison Comm
Public Agricultural Lands Comm
Water Front Technical Comm (under Metropolitan Toronto)
Water and Pollution Advisory Comm to Ontario Water Resources
Commission.

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Purchasing Agents
Canadian Public Relations Society --- Seminars Comm on
Management
Centennial Project Comm (Ontario)
International Association of Game, Fish and Conservation
Commissioners --- Land Resources Comm
International Order of Hoo-Hoo, Toronto Club No. 53 --- 3rd
Vice-Pres
International Rescue and First Aid Association --- Past Pres,
Board of Directors, 1966 Convention Chairman
National News Week (Toronto Men's Press Club) --- Vice Chairman

North American Conservation Hall of Fame --- 1st Vice-Pres
Ontario Society of Safety Engineering --- Board of Governors
Records Management Comm (Ontario)
Records Retention Comm (Ontario)
Sheridan Park Parks Commission --- Parks Commissioner.

PARKS BRANCH

American Institute of Park Executives --- Revenue Sources Comm
Canadian Institute of Forestry
The Canadian Red Cross Society, Ontario Division --- Water Safety
Advisory Comm
Council of Girl Guides of Canada
Fed-Prov Parks Conference
--- Research Comm
--- Education Comm
--- A. R. D. A. Comm
Federation of Ontario Naturalists --- Regional Vice-Pres
National Conference on State Parks --- Director
North Georgian Bay Recreational Reserve Advisory
Comm --- Chairman
Ontario Conservation Council --- Parks Comm
Ontario Parks Integration Board
Ontario Recreation Association --- Indian and Recreation Comm
Parks and Recreation Association of Canada
Quetico-Superior Joint Advisory Comm
Revision of Standards Comm for Park Planning (under Community
Programs Branch)
Wasaga Beach Advisory Comm --- Chairman.

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
American Fisheries Society
Canada Comm on Freshwater Fisheries Research
Canada-Ontario Advisory Comm on Forest Research
Departmental Council
Fed-Prov Great Lakes Research Comm
Great Lakes Deer Group
Great Lakes Fishery Commission
--- Advisory Comm
--- Scientific Advisory Comm
--- Sub-Comm on Lake Erie
--- Sub-Comm on Lake Huron
--- Sub-Comm on Lake Ontario
--- Sub-Comm on Lake Superior
Great Lakes Institute (University of Toronto)
Guelph University --- Dept of Agriculture --- Dept of Lands and
Forests Co-joint Comm
Lake Erie Council of Commercial Fishermen

Lake Erie Fish Management Comm
 Lake Ontario Fisheries Management Comm (Ontario-New York)
 Midwest Wildlife Conference --- Upper Great Lakes Fishery
 Commission
 Mississippi Flyway (Research) Council
 National Advisory Comm on Forest Land
 North American Wildlife Conference
 Northeastern Forest Tree Improvement Conference --- Site
 Evaluation Comm
 Northeast Wildlife Conference
 Ontario Agricultural College Comm on Correlation of Soil and Site
 Ontario Council of Commercial Fishermen
 Ontario Research Foundation ---
 --- Advisory Comm on Research in Forestry
 --- Advisory Comm on Research in Fish and Wildlife
 --- Quality Wood Comm
 Ontario Waterfowl Research Foundation --- Scientific Advisory
 Comm.

TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation
 Comm
 Canada Comm on Forest Tree Breeding
 Canada-Ontario Forest Research Comm
 Canadian Institute of Surveying --- Air Photo Interpretation
 --- Sub-Comm on Equipment and Techniques
 --- Air Photo Interpretation of Forestry and Wildlife
 Conservation Council of Ontario
 Ontario Economic Council
 --- Comm on Rural Land Development
 --- Comm on Forest Based Industry
 Ontario Forestry Association --- Board of Directors
 --- Resources Rangers Advisory Comm
 Ontario Professional Foresters Association
 --- Private Lands Management
 --- Forest Management
 --- Practice and Ethics
 --- Public Relations
 Photogrammetria --- Editorial Comm
 Society of American Foresters
 --- Forest Mensuration Group
 --- U. S. Region Nine Nurserymen's Association.

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Canadian Horticultural Society --- Director
Ontario Professional Foresters Association --- Forest
Management Planning Comm.

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm.

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning.

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Search and Rescue Unit.

GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm
Recreational Land Use Planning Comm.

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Planning Boards (Kapuskasing and Hearst)
Winter Employment Comm.

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,
Glengarry, Prescott and Russell Counties
Cataraqui Region Conservation Authority --- Reforestation
Advisory Comm; Water Advisory Comm
Eastern Ontario Development Association
Ontario Federation of Agricultural (Leeds, Carleton)
Ontario Forestry Association --- Tree Farm Comms in Glengarry
and Lanark Counties)
Raisin River Conservation Authority
Reforestation Comms for County Councils of Leeds and Grenville;
Dundas, Stormont and Glengarry; Prescott and Russell;
Carleton; and Lanark
Seaway Valley Travel Council

Soil and Crop Improvement Association --- Land Use Comms for
Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
Stormont and Prescott Counties.
South Nation Conservation Authority
St. Lawrence Parks Commission --- Fish and Wildlife Advisory
Comm.

KENORA DISTRICT

Agricultural Lands Comm (ARDA)
Dryden Conservation Camp --- Advisory Comm
Dryden High School Forestry Course --- Advisory Comm
4H Forestry Club
Kenora Joint Comm
Ontario Professional Foresters Association --- Management
Planning Comm
Recreational Zoning Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
Big Creek Conservation Authority --- Forestry Advisory Board
Catfish Creek Conservation Authority --- Forestry Advisory Board
Grand Valley Conservation Authority --- Reforestation Comm
Great Lakes Fishery Commission --- Advisory Comm; Lake Erie
Research and Management Comm
Lake Erie Fisheries Research Advisory Comm
Lower Thames River Conservation Authority --- Forestry
Advisory Board
Middlesex County Forestry Comm
Niagara Peninsula Conservation Authority --- Reforestation Comm
Ontario Professional Foresters Association --- Forest
Management Comm; Chairman, Private Lands Comm
Otter Creek Conservation Authority --- Forestry Advisory Board
Sydenham Valley Conservation Authority --- Forestry Advisory
Board
UpperThamesRiver Conservation Authority --- Forestry Advisory
Board.

LAKE HURON DISTRICT

Grand Valley Conservation Authority --- Forestry Advisor
Huron District Woodlot Owners Association --- Forestry Advisor
Huron County Reforestation Comm
Maitland River Conservation Authority --- Forestry Advisor
Ontario Professional Foresters Association --- Education Comm
Saugeen Valley Conservation Authority --- Forestry Advisor;
--- Fish and Wildlife Advisor
Spencer Creek Conservation Authority --- Forestry Advisor.

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform Institutions)
Canadian Institute of Forestry, Southern Ontario Section
Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land Use Advisory Board
Essa Township Conservation Comm
Lake Simcoe District Tree Farm Comm
Metropolitan Toronto and Region Conservation Authority --- Reforestation and Land Use Advisory Board
Reforestation Comms of County Councils in Simcoe, Dufferin, York and Ontario Counties.

LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications Comm; Forest Management Comm
Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board
Durham and Northumberland Counties --- Reforestation Comm
Ganaraska Region Conservation Authority --- Forestry Advisory Board
Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board
Victoria County --- Reforestation and Soil Conservation Comm; ARDA Comm.

NORTH BAY DISTRICT

Agricultural Lands Comm
Canadian Institute of Forestry
Recreational Land Use Planning Comm.

PARRY SOUND DISTRICT

Agricultural Land Use Comm
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka).

PEMBROKE DISTRICT

Ontario Professional Foresters Association --- Resolutions Comm
Renfrew County ARDA Advisory Comm.

ORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Thunder Bay Fish and Game Association.

SAULT STE. MARIE DISTRICT

Agricultural Comm
Ontario Professional Foresters Association --- Public Relations
Comm
Recreational Land Use Planning Comm
Search and Rescue Unit.

SIOUX LOOKOUT DISTRICT

Agricultural Comm
Batchawana Development Comm
Recreational Land Use Planning Comm.

SUDBURY DISTRICT

Lake Huron Fisheries Research --- Advisory Comm
Manitoulin Island Conservation Advisory Comm
North Georgian Bay Recreational Reserve Comm
Recreational Land Use Planning Comm
South Bay Mouth Advisory Comm.

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm.

TWEED DISTRICT

Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moir River Conservation Authority --- Forestry Advisory Board
Napanee River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm;
ARDA Comm.

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm.

AREA AND POPULATION BY PROVINCES populations in 000's

Province....Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105
Newfoundland.....155,364 Mar. 31, 1949	....	....	....	....	....	....	361	458
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922
Saskatchewan.....251,700 Sept. 1, 1905	....	....	492	757	921	895	831	925
Alberta.....255,285 Sept. 1, 1905	....	....	374	588	731	796	939	1,332
British Columbia.....366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629
Territories*.....	48	98	15	12	13	16	25	38
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

1943 Geraldton District established.
Forest Ranger School at Dorset established.

1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

1949 White River District established (Central Region), the 22nd District.

1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.

- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

MEMORANDUM

MEMORANDUM

MEMORANDUM

MEMORANDUM

MEMORANDUM

~~Government Publications~~

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MEMORANDUM

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Government
Publications

STATISTICAL

REFERENCE

OF

LANDS AND FORESTS

ADMINISTRATION

1967



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

A

*Government
Publications*

**STATISTICAL
REFERENCE**

**OF
LANDS AND FORESTS
ADMINISTRATION**

1967

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

NEW POLICIES

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1966 season and are subject to correction in the Annual Report for the year ending March 31st, 1967.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake.....	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		
Hearst.....	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott.....	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

NEW POLICIES

[illegible]

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st, 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R. R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

YEAR	CASH RECEIPTS			CASH DISBURSEMENTS			BALANCE
	Ordinary	Capital	Total	Ordinary	Capital	Total	
1947	10,366,281.93	261,865.96	10,628,147.89	7,043,267.18	116,523.23	7,159,790.41	3,468,357.48
1948	10,467,251.70	215,151.77	10,682,403.47	7,598,611.94	.....	7,598,611.94	3,083,791.53
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97	234,435.09
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	4,623,339.12	14,536,859.74	d-2,934,604.05
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35	3,149,885.28
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94	4,949,208.31
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48	10,006,812.65
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47	6,559,176.49
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42	6,430,466.63
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88	2,874,285.45
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75	5,023,761.56
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75	3,666,297.69
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03	d-4,189,790.28
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72	d-4,585,644.98
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30	d-1,620,651.24
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02	d-6,014,690.56
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40	d-5,940,207.05
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84	d-8,147,927.55
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37	d-6,187,887.03
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75	d-6,086,104.95

*Years to 1947 include former Department of Game and Fisheries.
 Water power revenue transferred to Treasury Department in 1959.
 operation. m--Mississagi project.

Grants to Conservation Authorities in 1962, 1963 and 1964.
 d--Operating deficit. p--Parks improvements. w--Cut back in woods

TIMBER SECTION REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
	\$	\$	\$	\$	\$	\$
1943	.....	.....	.....	.....	.....	4,982,281
1944	.....	.....	.....	.....	.....	4,561,733
1945	3,606,192	117,396	436,395	66,234	15,364	4,241,581
1946	4,947,915	115,299	419,323	59,004	13,240	5,554,781
1947	6,175,444	125,061	461,164	164,784	17,651	6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445 ^w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470 ^w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166 ^w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580

*Refunds in excess of deposits.

w - Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	Y Royalty (Game)	Misc.	Total
1947*	196,549	9,316	132,907	361,887	1,000,866	109,473	274,139	155,744	2,240,911
1948	205,827	11,878	146,601	453,790	1,156,904	110,705	206,514	128,442	2,420,661
1949	237,707	16,787	176,301	468,705	1,350,501	116,597	328,171	119,107	2,813,876
1950	242,208	352	194,228	264,922	1,450,180	115,344	293,426	113,858	2,774,518
1951	264,881	.....	200,790	401,490	1,637,775	121,688	321,698	117,429	3,065,752
1952	286,226	7,719	222,998	340,255	1,868,746	135,255	341,664	117,082	3,319,945
1953	348,665	33,487	249,982	156,913	1,949,892	140,116	398,604	132,256	3,409,915
1954	355,911	52,464	251,535	447,366	2,086,074	125,427	353,005	128,953	3,800,735
1955	364,082	73,460	277,237	454,643	2,204,668	140,064	343,220	122,882	3,989,256
1956	405,201	90,040	295,320	513,088	2,279,336	132,944	317,052	121,733	4,154,714
1957	400,272	134,210	292,098	545,979	2,294,761	145,447	272,952	120,108	4,205,827
1958	415,920	173,650	317,375	563,004	2,431,977	128,634	277,800	126,171	4,434,531
1959	459,440	214,664	346,914	588,852	2,337,425	116,861	268,276	107,392	4,439,824
1960	468,833	245,033	352,197	698,968	2,399,612	112,260	252,001	93,303	4,622,207
1961	493,361	280,274	357,021	797,213	2,435,611	110,168	279,484	94,979	4,848,111
1962	420,727	358,695	344,706	936,819	2,527,212	111,552	244,082	110,723	5,054,516
1963	478,444	363,095	353,064	1,041,490	2,608,572	114,461	255,265	110,406	5,324,797
1964	457,361	393,296	381,125	1,125,019	2,685,219	115,724	327,572	112,765	5,598,081
1965	493,979	366,693	388,629	1,278,264	2,695,802	122,525	287,124	96,062	5,729,078
1966	533,179	422,535	463,951	1,478,195	2,847,117	123,027	197,077	88,220	6,153,301

*Includes Smelt Licences and Royalty (Fish).
 †Includes Trapper's Licences.

*Department of Game and Fisheries to 1947.

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480

† Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$.....	\$ 45,613	\$.....	\$.....	\$13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	.....	27,181	581,356
1960	292,459	206,148	.....	222,287	25,556	568,938
1961	382,887	331,481	44,775	.....	25,208	995,573
			60,868	195,129		
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214
1966	901,300	863,704	95,082	.....	24,849	1,884,935

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: F. A. Walden

Game Management

Fur Management

Field Services

Indian Affairs Agreement

FISHERIES SECTION

Supervisor: J. D. Roseborough

Game Fisheries and Hatcheries

Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff

Departmental Consultant

Accounts and Staff Records

Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1949	4,326	46,208	1,027	2,822	409	120	19,867	172,219	3,276	129	77	209	20,544
1950	4,917	62,717	310	1,741	389	48	30,750	146,145	3,488	66	169	....	44,463
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,727
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,330	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,980	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	10,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446

*Management began in 1947.

**Lynx includes Bob Cat.

Wolf and bear returns not reported above.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

VALUE OF PELTS

Year	NUMBER OF PELTS			VALUE OF PELTS		
	Wild	Ranch Mink	Total Ranch	Wild	Ranch	Total
1947	876,204	73,770	101,430	\$4,966,209	\$2,262,888	\$7,229,098
1948	1,001,249	125,829	155,468	4,040,847	2,346,039	6,386,885
1949	1,046,628	143,358	164,917	5,187,075	1,647,044	6,834,120
1950	931,890	143,513	158,912	4,248,297	2,165,233	6,413,530
1951	811,579	142,570	152,208	4,582,901	3,101,559	7,684,460
1952	959,431	144,436	152,284	3,656,919	2,355,226	6,012,145
1953	1,098,286	152,760	156,903	3,868,812	2,171,784	6,040,596
1954	1,016,672	131,192	132,759	2,682,762	1,905,518	4,588,280
1955	1,107,530	158,662	159,765	4,284,902	2,942,968	7,227,870
1956	786,608	171,723	172,985	2,989,521	4,129,555	7,119,077
1957	788,666	247,998	248,317	2,575,809	2,978,209	5,554,018
1958	791,165	237,172	237,930	2,713,427	3,943,119	6,656,546
1959	680,189	262,788	262,913	2,445,203	3,969,224	6,414,426
1960	641,093	286,845	287,265	2,831,174	4,450,571	7,281,744
1961	680,878	348,192	348,602	2,469,875	4,441,088	6,910,963
1962	627,283	385,650	385,962	2,451,075	5,593,485	8,044,560
1963	692,487	385,982	386,133	3,439,311	6,176,920	9,616,231
1964	742,923	437,303	437,443	3,942,029	7,019,973	10,962,002
1965	597,866	393,231	393,231	2,877,897	5,898,465	8,776,362
1966	724,464	482,142	482,142	3,985,556	8,219,084	12,204,640

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

Year	Export Beaver	Total Export	Tanners
1947	45,847	762,998	214,636
1948	20,083	862,700	294,017
1949	74,253	940,378	271,167
1950	65,600	909,079	181,723
1951	81,845	814,447	149,340
1952	105,503	922,868	188,847
1953	122,287	998,713	256,476
1954	105,071	908,990	240,441
1955	134,729	941,348	325,947
1956	112,663	769,027	190,566
1957	111,278	788,370	248,613
1958	140,930	879,316	149,779
1959	119,684	830,538	112,564
1960	109,757	821,984	106,374
1961	130,167	918,212	111,268
1962	135,949	897,511	115,734
1963	164,293	959,404	119,216
1964	135,791	903,688	276,678
1965	116,901	728,415	262,682
1966	99,719	835,687	381,919

ROYALTY ON WILD PELTS

Export Beaver	Total Export	Tanners
\$ 91,694	\$188,560	\$ 23,229
40,166	.....	.....
148,506	238,073	27,156
131,200	219,949	18,075
163,690	241,938	15,493
211,006	300,321	19,556
185,103	300,799	26,314
157,635	268,823	25,430
135,919	242,490	34,795
112,663	196,956	20,767
111,278	194,340	27,596
140,930	224,921	9,407
119,684	195,586	8,353
109,757	188,562	6,950
130,167	224,237	9,017
135,949	217,870	5,999
164,293	242,652	6,981
135,791	198,473	72,874
116,901	166,325	64,339
99,719	146,612	77,732

BOUNTIES PAID in years ending March 31st

WOLF BOUNTY

BEAR BOUNTY

Year	BEAR BOUNTY			WOLF BOUNTY				Total Amount Paid
	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid	Timber	Brush	Pups	Total	
1947	959	73	\$9,735	1,440	1,182	42	2,664	\$59,275
1948	509	17	5,095	1,515	961	74	2,540	54,923
1949	592	67	6,035	1,581	1,062	84	2,727	57,977
1950	803	122	8,530	1,613	890	41	2,544	56,927
1951	453	47	4,645	1,405	651	44	2,100	46,457
1952	408	29	4,180	1,198	634	63	1,895	41,803
1953	662	57	6,805	1,313	739	68	2,120	46,550
1954	947	145	10,000	1,101	720	70	1,891	41,853
1955	1,126	99	11,590	1,075	620	41	1,736	38,703
1956	614	50	6,210	1,088	559	28	1,675	37,550
1957	611	50	6,225	1,195	486	71	1,752	38,950
1958	1,568	300	16,930	1,047	574	34	1,655	37,255
1959	1,084	116	11,145	1,169	606	49	1,824	41,589
1960	697	139	7,590	939	528	42	1,509	33,619
1961	401	46	4,150	1,320	761	57	2,138	48,766
1962	*328	*33	*3,405	1,136	794	68	1,998	44,510
1963	(Payment ended on July 27, 1961)			1,276	691	64	2,031	44,664
1964	....	...	.....	1,342	862	61	2,265	44,999
1965	....	...	.....	1,638	1,052	63	2,753	59,997
1966	....	...	.....	1,593	1,195	44	2,832	59,937

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Fox											
Blue.....	70	81	56	57	83	94	97	57	48	46	96
Cross.....	1	1	1	.....	.....	.....	.....	1	1	...	...
Pearl Platinum..	251	155	119	.....	.....	.....	.....	.....	.....	...	...
Platinum.....	136	108	105	186	232	280	367	355	270	256	241
**Other Fox.....	4	6	7	12	13	14	9	.....	.....	7	6
*Silver.....	456	239	166	150	178	292	212	130	123	106	110
White Marked....	16	9	6	.....	.....	.....	.....	.....	...	...	...
Total Fox	934	599	460	405	506	680	685	543	442	415	453
Mink	85,332	101,721	109,936	119,299	130,294	142,600	154,626	164,901	178,814	188,005	204,073
Beaver.....	16	1	1	1	1	1	1	.....	2	...	...
Fisher.....	11	12	12	8	2	2	1	1	4	4	4
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...
Marten.....	70	81	85	76	89	96	97	78	33	33	15
Muskrat.....	82	62	54	47	.....	.....	.....	.....	10	52	...
Raccoon.....	47	43	43	33	24	22	20	13	8	2	1
Skunk.....	.....	5	5	3	3	3	3	4	2	1	1
NO. OF FARMS.....	529	542	514	507	495	495	508	500	505	499	494

*Includes Standard and White Marked. **Includes Cross, Red and White

*GAME BIRD HUNTING PRESERVES in year ending March 31, 1966

Districts	No. of Pre- serves	Total Purchased	Total Released	No. of Birds Harvested	No. of Hunters	Stock on Hand
Lake Erie.....	13	8,148	9,469	6,992	1,514	2,311
Lake Huron.....	4	7,390	9,687	6,270	1,077	452
Lake Simcoe.....	4	4,202	3,744	2,010	651	141
Lindsay.....	5	160	2,999	2,065	719	213
Tweed.....	2	86	5,286	2,599	384	100
Sault Ste. Marie....	1	2,210	2,210	875	251	...
Totals.....	29	22,196	33,575	20,811	4,596	3,217

*Based on incomplete returns.

*COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1966

Districts	No. of Farms	PURCHASES				SALES			
		Eggs	Chicks Poults	Adults	Dressed Birds	Eggs	Chicks Poults	Live Adults	Stock on Hand
Lake Erie	34	...	7,860	3,624	4,725	467	41,761	14,313	3,191
Lake Huron	34	311	17,866	41	7,516	480	483	3,081	961
Lake Simcoe	16	...	2,450	800	2,838	12	6	213	733
Lindsay	13	...	386	160	385	...	...	166	195
Tweed	10	...	50	...	2,000	118	...	231	200
Kemptville	6	...	128	33	60	...	37	178	42
Parry Sound	3	...	206	...	...	...	...	62	85
North Bay	2	1,000	85	3	2,215	...	100	...	209
Sudbury	1	...	...	...	...	...	...	...	...
Sault Ste. Marie	3	450	100	...	491	...	530	324	36
Totals	122	1,761	29,131	4,661	20,230	1,077	42,917	18,568	5,652

*Based on incomplete returns.

HUNTING LICENCES SOLD

Year	DEER			MOOSE			BEAR+			SMALL GAME		
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.	
1946	62,913	7,877	70,790	1,694	1,230	2,924	...	783	...	155,309	4,666	
1947	67,299	11,193	78,492	2,270	1,516	3,786	...	548	...	171,098	3,620	
1948	73,700	11,300	85,000	3,000	1,700	4,700	...	1,600	...	186,060	3,200	
1949	76,274	12,050	88,324	*	*	*	...	1,176	...	205,706	3,300	
1950	84,380	12,440	96,820	*	*	*	...	1,127	...	213,594	5,620	
1951	89,290	10,400	99,690	1,400	*	1,400	...	1,120	...	240,040	4,960	
1952	96,790	** 870	97,660	3,620	*	3,620	...	3,060	...	268,444	5,400	
1953	92,785	8,300	101,085	5,196	637	5,833	...	2,490	...	256,341	3,810	
1954	92,800	10,400	103,200	7,500	730	8,230	...	1,520	...	284,000	5,300	
1955	105,150	8,050	113,200	9,000	990	9,990	...	1,750	...	318,000	6,010	
1956	98,079	7,426	105,505	13,441	1,521	14,962	...	2,031	...	316,778	5,905	
1957	106,620	6,743	113,363	17,367	1,890	19,257	...	2,703	...	341,838	6,092	
1958	109,322	6,044	115,366	22,688	2,362	25,050	...	4,803	...	377,589	5,503	
1959	102,960	5,988	108,948	26,349	3,431	29,780	...	4,089	...	378,666	6,243	
1960	114,400	6,004	120,404	31,948	4,212	36,160	...	3,828	...	383,205	7,286	
1961	106,160	5,788	111,948	38,977	5,775	44,752	...	3,607	...	377,047	7,103	
1962	121,735	5,913	127,648	39,470	6,675	46,145	307	1,922	...	383,150	7,538	
1963	114,510	6,351	120,861	43,144	7,261	50,405	354	2,038	...	416,019	7,685	
1964	124,182	6,562	130,744	40,188	7,639	47,827	414	2,208	...	399,521	7,998	
1965	130,636	7,242	137,878	60,281	10,057	70,338	583	2,697	...	424,806	9,551	

* Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+ Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	635,071	29,749	664,820

PROSECUTIONS in years ending March 31st

Year	Selz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	11,235	23,392	2,327	1,042	53,127

*Includes Redemptions.

FISH DISTRIBUTED FROM ONTARIO PROVINCIAL HATCHERIES

IN 1965 (in 000's)

Stations	Brook Trout	Lake Trout	Rainbow Trout	OTHER SPECIES	
Nidhurst.....	82,250Y	...	...	...	...
Codrington.....	275T	...	33,050Y	...	...
	.. 42,700Y	...	...	Maskinonge	Walleye
Deer Lake.....	87,216Y	38,500Y	...	1,850,000f	5,600,000E
	...	...	...	24,600F	...
	...	...	...	15Y	...
White Lake.....	210,300Y	71,000Y	78,315Y	Smallmouth	55,655F
Westport.....	17,000Y	30,000Y	8,000Y	76,000F	10,000,000E
	...	...	...	**81,000f	...
	...	...	...	**107,500F	...
Normandale.....	29,915Y	...	15,000Y	...	...
	16,500T	...	17,600T	...	Kokanee
Warton.....	...	100,000F	...	...
Chatsworth.....	193,805Y	10,000Y	30,750Y	...	
	11,225T	9,340T	4,150T	...	
					E*
Sandfield.....	177,375Y	19,975Y	32,000T	58,000f	1,482,180f
	...	...	...	95,900F	F
	...	...	...	165A	
Skeleton Lake...	173,900Y	42,700Y	51,000Y	58,800F	...
	...	...	9,000T	Whitefish	...
Little Current..	...	...	...	24,030,000f	Splake
Tarentorus.....	429,100E	401,000Y	22,450Y	...	21,200Y
	19,000F	...	...	...	15,700T
	310,600Y	...	...	...	...
North Bay.....	126,000Y	39,000Y	9,000Y	...	...
	10,600T	...	...	...	...
Pembroke.....	23,100F	...	...	...	...
	199,835Y	...	...	...	...
				Albino	Aurora
Port Arthur.....	...	124,800F	...	Brook Trout	Trout
Hill Lake.....	195,000F	7,050Y	65,000f	4,380Y	4,000F
	128,000Y	...	11,750F	...	...
	28,062T	...	...	...	...
	972A	...	...	...	...
Dorion.....	244,800E	167,640Y	21,720Y	...	...
	362,900F	...	...	...	...
	39,995Y	...	...	...	...
	1,857A	...	...	...	...

* a further 1,097,144 Kokanee eyed eggs and fry were planted from Glenora Fisheries Station

** largemouth bass.

KEY: E - eyed eggs f - fry
 F - fingerlings Y - yearlings
 A - adults T - 2 yr. old

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
BASS, Largemouth .											
Fry.....	282	360	190	46	45	231	...	55	45	112	81
Fingerling.....	343	122	129	63	46	30	25	112	93	91	108
Yearling and Adult...	4	1	3	1	....	....	....	...	...	...	...
BASS, Smallmouth.											
Fry.....	209	803	468	130	89	156	230	147	134	52	58
Fingerling.....	529	369	132	133	227	178	270	177	288	239	231
Yearling and Adult...	25	19	1	5	....	1	1	...	...	...	...
BLUEGILLS											
Fingerling.....	2	....	....	....	....	....	....	...	...	...	...
Adult .....	....	....	....	....	....	....	....	...	...	...	...
CHARR, French Alpine.											
Fingerling.....	....	21	....	....	....	....	....	...	...	...	...
Yearling.....	....	....	....	2	....	....	....	...	...	...	...
Adult .....	....	....	....	5	....	....	....	...	...	...	...
CHARR, Pennsylvania.											
Fingerling.....	2	....	....	....	....	....	....	...	...	...	...
GRAYLING, Arctic.											
Yearling.....	....	....	....	....	26	....	....	...	...	...	...
HERRING											
Eggs.....	398	....	1,840	....	1,068	....	....	...	...	...	...
Fry.....	3,400	350	....	....	....	50	....	...	...	...	...
KOKANEE											
Eyed Eggs.....	....	....	....	....	....	....	....	...	...	...	683
Fry.....	....	....	....	....	....	....	....	...	...	...	1,609
Fingerlings.....	....	....	....	....	....	....	....	...	...	...	288

MASKINONGE													
Fry.....	3,712	3,610	2,430	2,940	4,070	3,390	2,833	2,970	1,870	1,530	1,850		
Fingerling.....	51	74	39	18	50	51	75	24	27	26	25		
Adult.....	...	...	1	1	...	...	...	...	...	...	...
OUANANICHE													
Eggs.....	...	...	...	...	...	...	...	53	...	...	...
Fry.....	...	1	...	...	...	...	...	...	1	15	...		
Yearling.....	...	...	11	...	...	...	...	...	5	...	...
Adult.....	1	...	...	...	...	1	...	...	...	...	...
PICKEREL (Walleye)													
Eggs.....	91,800	138,805	90,565	56,245	30,875	53,790	27,065	20,500	7,200	14,000	15,600		
Fry.....	8,310	...	...	...	3,040	3,600	...	8,994	11,440	1,353	...		
Fingerling.....	...	...	3	...	...	...	67	201	217	...	56		
Adult.....	...	...	...	...	...	...	...	...	...	...	...
SALMON, Chum													
Eggs.....	423	...	...	...	...	...	...	...	...	...	...
Fingerling.....	449	...	...	...	...	...	...	...	...	...	...
SALMON, Pink													
Eggs.....	...	513	...	...	...	...	...	...	...	...	...
Fingerling.....	...	224	...	...	...	...	...	...	...	...	...
SPLAKE													
Fingerling.....	...	...	16	...	...	...	...	...	...	...	...
Yearling.....	10	8	16	208	135	13	97	112	114	88	21		
Adult.....	...	...	...	...	1	...	6	...	2	12	16		
TROUT, Albino													
Yearling.....	...	...	...	...	...	...	...	...	...	4	4		
TROUT, Aurora													
Fingerling.....	...	...	...	...	2	2	...	1	...	...	4		
Yearling.....	...	...	...	...	...	...	1	...	...	1	...		

COMMERCIAL FISHING EQUIPMENT

Year	Licences		Boats			Number of Nets				Freezers & Ice Houses		Wharves and Piers		Net Sheds	Total Value \$000's
	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine	Houses	Piers			
1946	.....	.....	4,244	107	2,205	9,090	1,079	...	1,288	121	525	437	...	...	4,764
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	99	486	400	...	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	92	477	412	...	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	110	456	395	...	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	112	477	425	...	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	105	476	416	...	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	109	462	474	...	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	101	493	487	827	...	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	116	482	456	778	...	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	134	442	447	759	...	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	84	426	437	754	...	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	91	412	404	709	...	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	81	464	425	727	...	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	111	564	491	884	...	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	105	558	516	839	...	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	97	521	476	773	...	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	103	525	497	726	...	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	93	511	439	747	...	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889	15,677	549	493	731	...	10,131
1965	1,072	4,647	2,544	223	1,660	9,256	866	521	2,002	16,772	492	459	681	...	9,972

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	Value
											1965
Bass, Rock; Crappies..	63	67	81	92	127	119	137	177	206	209	37
Bass, White.....	5,795	3,589	1,850	1,444	3,305	3,413	2,491	1,991	1,836	2,733	418
Bullheads.....	843	762	635	480	467	363	423	740	513	451	69
Carp.....	1,906	1,508	1,350	1,519	1,124	1,312	1,124	1,323	938	872	78
Catfish.....	299	272	330	319	321	244	314	300	287	243	51
Caviar.....	2	3	3	1	2	2	2	1	2	2	7
Chub; Tullibee.....	923	796	1,269	1,576	1,865	2,993	2,825	2,329	2,035	1,892	304
Eels.....	55	103	133	140	130	127	128	175	250	194	39
Gold Eyes.....	84	31	22	15	33	24	34	20	28	19	5
Herring; Ciscoe.....	1,142	1,996	1,917	2,947	2,227	1,853	2,630	2,374	1,993	1,603	55
Ling.....	451	354	484	432	614	638	623	615	600	404	5
Menominee, Pilots.....	20	23	26	24	63	22	31	20	70	66	9
Perch.....	11,843	12,068	16,299	19,968	12,774	18,628	21,659	18,725	9,635	19,465	2,499
Pickarel, Blue.....	12,019	6,398	833	50	5	2	.....	.....	.....	.....	.....
Pickarel, Yellow.....	11,673	10,609	7,825	4,653	3,702	3,382	3,708	5,108	3,678	3,241	1,234
Pike, Northern.....	904	914	1,017	993	966	990	976	990	1,134	1,099	88
Saugers.....	133	103	174	112	85	105	131	136	141	76	17
Sheepshead.....	774	849	1,817	1,419	1,539	1,201	1,117	1,503	831	990	18
Smelt.....	4,016	4,666	4,967	7,059	11,666	13,065	19,314	10,705	12,887	11,917	351
Sturgeon.....	138	174	243	179	184	195	133	132	98	94	110
Suckers.....	1,394	1,317	1,509	1,410	1,616	1,595	1,540	1,650	1,450	1,102	21
Sunfish.....	416	375	276	225	286	271	257	358	358	249	31
Trout, Lake.....	641	498	622	522	286	181	208	254	224	178	75
Whitefish.....	4,049	3,226	3,278	3,183	3,845	3,907	3,640	3,357	3,229	3,236	783
Miscellaneous.....	132	413	212	227	163	323	337	1,359	1,086	2,154	100
TOTAL.....	59,717	51,113	47,172	48,992	47,397	54,954	63,784	54,342	43,510	52,489	\$6,404

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	88	150	16	1,922	126	...	442	7	375	3,126	\$ 193
1942	61	220	16	1,087	90	...	442	11	561	2,488	156
1943	147	201	35	857	76	...	329	43	623	2,311	...
1944	179	216	40	1,018	74	...	461	48	601	2,637	425
1945	229	179	44	760	105	...	359	34	628	2,338	385
1946	288	197	35	413	102	...	398	45	581	2,059	317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	352

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	1,544	116	2,050	.....	.....	.....	3,359	347	1,535	8,951	\$ 657
1942	4,405	62	965	.....	.....	.....	2,524	421	1,661	10,038	660
1943	9,614	56	711	.....	.....	.....	1,481	453	2,168	14,483	2,132
1944	9,390	336	1,373	.....	.....	.....	1,259	776	2,122	15,256	1,891
1945	6,559	6,445	1,206	.....	.....	.....	1,689	1,068	1,983	18,950	3,699
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	1,855	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	233	189	1,110	209	6	...	93	195	113	2,148	\$ 195
1942	222	362	800	311	6	...	114	176	90	2,081	173
1943	247	329	517	355	3	...	113	167	105	1,836	362
1944	258	129	314	317	5	...	142	154	141	1,460	272
1945	292	100	117	239	4	...	66	138	115	1,071	230
1946	89	104	30	336	7	...	158	122	108	954	151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	234

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	47	203	64	1,502	25	1	748	57	87	2,734	\$ 276
1942	30	58	52	1,274	36	...	584	55	74	2,163	223
1943	24	69	168	1,066	34	...	442	69	138	2,010	485
1944	19	110	55	815	30	1	364	56	95	1,545	380
1945	38	104	103	738	25	1	279	38	198	1,524	389
1946	46	25	21	696	25	1	246	44	188	1,292	332
1947	21	21	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	81	1,433	1,298	...	...	2	315	115	192	3,436	\$ 274
1942	11	1,392	1,361	...	...	2	320	92	184	3,362	272
1943	48	1,290	1,323	...	...	2	336	188	160	3,347	511
1944	53	1,481	1,553	...	...	1	403	96	174	3,761	530
1945	57	1,708	1,479	...	...	1	359	98	110	3,812	696
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000's lbs and \$000's

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	...	165	869	..	59	117	1,328	1,494	472	4,504	\$ 429
1942	...	197	950	..	54	118	1,366	1,431	454	4,570	466
1943	...	228	889	..	97	221	1,435	1,503	588	4,961	687
1944	...	183	831	..	120	170	1,544	1,655	461	4,964	744
1945	...	142	830	..	108	240	1,490	1,556	674	5,040	898
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230

NEW POLICIES

FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885 resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The crown Timber Act of 1917 established the fire tax, an annual per acre protection charge on Crown Lands.

Following disastrous fires in 1916, the Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J.M. Whalen was appointed Chief on June 14th, 1963.

FOREST PROTECTION BRANCH

Chief: J. M. WHALEN

FOREST PROTECTION SYSTEM

Supervisor: W. T. Foster

Fire Prevention and Control
Forest Insects and Disease
Plant and Equipment
Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T. C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964 special Indian fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August 1966 the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION*			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1950	1,624	1,937	3,561	\$ 16,244	\$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538	\$ 55,148	\$103,682
1951	29,401	188	29,590	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,764	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966*	880	15	895	33,088	561	33,649	.....	.....	37,041	70,690	47,753

*Preliminary Report to December 1, 1966.

FOREST FIRE SUMMARY

NUMBER OF ACRES BURNED OVER

Year	Crown	Private	Total	Number Of Fires	Average Acreage
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16
1966*	11,198	3,144	14,342	1,920	8

*Preliminary Report to December 1, 1966.

*1966 FOREST FIRES

Honorary Fire Wardens	DISTRICT	Number of Fires	Acres Burned	Average Acreage
300	Chapleau	21	21	1.0
380	Cochrane	38	107	2.8
202	Fort Frances ...	46	27	.6
331	Geraldton	46	1,219	2.7
30	Gogama	27	23	.9
51	Hespeler	20	53	2.0
256	Kapuskasing	15	246	16.4
29	Kemptville	9	29	3.2
295	Kenora	120	796	6.6
160	Lindsay	95	97	1.0
40	Maple	31	230	7.4
512	North Bay	139	410	2.9
402	Parry Sound	227	568	2.5
239	Pembroke	121	160	1.3
341	Port Arthur	93	257	2.8
284	Sault Ste. Marie	124	348	2.8
144	Sioux Lookout ..	121	700	5.8
444	Sudbury	417	5,933	14.2
365	Swastika	49	2,461	50.2
259	Tweed	140	649	4.6
248	White River	214	8	.4
5,312	Totals	1,920	14,342	7.5

MONTHS

April	83	317	3.7
May	325	5,848	18.0
June	225	4,509	20.0
July	906	2,583	2.9
August	21	615	2.8
September	113	151	1.3
October	53	319	6.0
November	1	-	-

*Preliminary report to December 1, 1966.

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1955	1956	1957	1958	1959	1960	1961	ORIGIN	1962	1963	1964	1965	*1966
Land Clearing.....	148	49	125	123	52	55	80	Residents.....	146	313	244	204	226
Camping.....	390	196	379	325	323	265	295	Recreation...	592	811	601	404	737
Smokers.....	298	145	342	371	159	116	201	.....	.....	.....	.....	...	...
Railways.....	189	122	176	149	67	49	62	Railways	76	93	75	118	119
Road Construction.	13	34	73	63	12	18	15	.....	.....	.....	.....	...	...
Logging.....	53	22	39	17	25	20	19	Industry	75	77	75	74	86
Mining.....	11	6	7	1	2	2	2	.....	.....	.....	.....	...	...
Prospectors.....	11	8	3	1	4	1	1	.....	.....	.....	.....	...	...
Incendiary.....	31	8	26	43	13	12	31	Incendiary..	38	36	36	15	18
Miscellaneous.....	148	123	194	229	116	97	143	Miscellaneous	289	216	198	191	182
Unknown.....	32	2	32	17	14	11	11	Unknown.....	10	20	9	10	13
Lightning.....	928	302	275	219	242	310	445	Lightning...	295	319	591	202	539
Total.....	2,252	1,017	1,671	1,558	1,027	956	1,305	TOTAL..	1,521	1,885	1,829	1,218	1,920
Man Caused - Total	1,324	715	1,396	1,339	785	646	860	Man-Caused..	1,226	1,566	1,238	1,016	1,381
Percentage...	59	70	84	86	76	68	66	..... %age	81	83	68	83.4	71.9
Prosecutions.....	.....	62	55	71	38	31	54	Prosecutions	48	71	22	37	26
Convictions.....	.....	56	41	62	35	30	47	Convictions.	43	65	22	34	21

*Preliminary report to December 1, 1966.

MEANS OF DETECTION														
	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	*1966
Lands & Forests Towers.....	528	353	891	262	575	581	414	304	419	555	620	611	417	559
Lands & Forests Aircraft....	216	126	395	189	202	121	91	158	246	131	206	178	66	190
Commercial Aircraft.....	...	...	...	...	...	...	...	...	...	...	97	55	46	123
Private Aircraft.....	...	...	...	...	...	...	...	...	...	...	19	34	3	12
Lands & Forests Personnel...	122	46	102	57	141	87	66	63	74	92	92	116	67	96
Other Prov. Govt. Employees.	...	...	...	...	...	...	...	...	...	...	27	41	35	67
Public.....	654	356	864	509	753	769	458	431	566	743	824	794	584	873

SIZE														
	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	*1966
1/4 acre	391	500	354	846	395	575	490	470	416	502	670	696	845	572 1,013
1/4-10 acres.....	581	821	428	1,124	502	861	861	493	448	639	744	949	829	560 819
10-100 acres.....	103	146	81	188	66	187	178	56	59	112	84	201	122	70 70
100-500 acres.....	16	33	9	52	26	37	20	9	23	12	17	30	22	13 13
Over 500 acres.....	4	20	9	42	28	11	9	1	10	40	6	9	11	3 5

*Preliminary report to December 1, 1966.

FOREST PROTECTION PERMITS

Year	Fire Permits	WORK PERMITS		TRAVEL PERMITS	
		Permits	Men	Permits	Persons
1926	13,466	.....	.....	.....	.....
1927	13,593	.....	.....	6,548	15,669
1928	13,611	.....	.....	15,406	42,566
1929	14,038	.....	.....	20,738	51,443
1930	15,094	.....	.....	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	.....	.....	9,774	28,606
1936	18,964	.....	.....	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,093	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,354
1965	22,560	4,528	41,848	77,442	256,157

MAJOR EQUIPMENT March 31st

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Portable Power Pumps	1,097	1,218	1,215	1,255	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,053
Portable Hand Pumps.	6,362	7,907	7,899	8,712	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568
Hose (000's Feet)...	2,714	3,319	3,312	3,890	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517
Tents.....	1,997	2,376	2,469	2,438	2,483	2,391	2,433	2,618	2,542	2,618	2,502	2,510
Sleeping Bags.....	1,365	1,506	1,538	1,597	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705
Blankets.....	32,668	31,582	29,288	29,505	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896
Binoculars.....	573	642	609	615	647	659	661	668	691	676	718	813
Canoes.....	1,114	1,087	1,073	1,052	1,005	954	930	922	868	859	816	878
Boats (Outboard)....	418	434	459	493	519	534	538	568	570	584	652	584
Motors (Outboard)....	752	771	771	800	785	809	807	834	837	841	884	910
Boats (Inboard).....	55	64	60	59	48	44	42	31	40	38	33	38
Barges and Scows....	.....	.....	4	6	7	6	9	6	5	5	6	3
Trucks and Autos....	715	786	751	861	918	905	945	949	967	988	979	1,006
Trailers.....	107	141	166	205	249	263	277	282	302	305	325	346
Tractors.....	101	121	134	312	186	184	194	198	214	211	216	181
Railway Motor Cars..	45	47	46	44	44	42	41	42	38	36	35	31
Velocipedes.....	.....	.....	24	24	22	20	18	16	16	14	13	4
Snowmobiles.....	7	8	10	14	10	13	14	16	22	29	40	43
Radio Sets, Stations	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,253
Steel Towers.....	280	288	292	302	308	315	318	323	323	323	323	323

as of March 31, 1966

REPORT OF MAJOR EQUIPMENT

LOCATIONS

LOCATIONS	Portable Pumps Power	Hand	Fire Hose	Blan- kets	Tents	Sleep- ing Bags	Bin- ocu- lars	Can- oes	Boats		Out- Mtr Bd.	Trail- ers	Trac- tors	Rly Mtr Cars	*	S	B
									Not	In-							
									Mtr	Bd.	Mtrs						
Aylmer.....	10	117	22,200	47	...	7	38	2	22	6	19	21	12	.	.	.	.
Chapleau.....	44	261	138,600	2,776	121	69	21	43	13	.	30	9	5	.	3	.	.
Cochrane.....	60	439	139,600	1,366	142	93	37	41	14	4	46	12	5	7	.	4	.
Fort Frances...	38	197	111,300	1,232	101	89	124	36	30	3	38	13	4	4	4	2	.
Geraldton.....	65	443	206,500	2,637	202	81	32	47	20	2	50	8	7	4	.	1	.
Gogama.....	55	220	129,900	1,590	92	40	21	38	12	3	25	8	9	4	.	.	.
Hespeler.....	14	216	30,700	...	3	7	24	1	17	2	17	26	12	6	.	.	.
Kapuskasing....	44	405	143,700	1,474	132	36	31	45	9	.	37	13	6	.	.	.	.
Kemptville.....	14	124	32,600	37	5	27	19	2	26	1	21	16	9	.	.	.	.
Kenora.....	65	296	138,500	1,560	118	45	25	23	28	5	25	11	9	.	.	.	.
Lindsay.....	48	357	129,600	666	42	39	30	25	44	.	46	38	17	.	2	.	.
Maple.....	29	305	57,150	273	12	8	49	5	29	.	31	22	..	.	5	.	.
North Bay.....	44	310	122,100	2,002	70	94	34	64	39	2	54	7	6	.	5	.	.
Parry Sound....	39	315	110,900	1,768	112	117	36	42	47	2	50	14	10	5	.	3	1
Pembroke.....	72	496	212,900	2,353	185	127	37	54	24	1	55	15	9	2	.	4	.
Port Arthur	71	621	263,300	6,940	194	83	30	57	24	2	35	23	11	.	.	5	.
Sault Ste. Marie	69	457	226,500	2,342	213	98	20	58	26	1	51	8	6	1	.	3	2
Sioux Lookout...	58	310	409,200	2,092	126	86	35	57	31	5	49	16	7	.	.	2	.
Sudbury.....	45	252	130,200	1,672	89	108	25	32	27	.	24	..	5	.	2	.	.
Swastika.....	41	280	76,250	485	53	51	42	12	43	1	55	22	2	2	.	.	.
Tweed.....	37	288	105,100	1,584	96	42	16	48	15	.	27	10	2	.	.	.	.
White River....															.	.	.
Central.....	53	291	238,500	2,313	95	11	..	2	1	.	2	..	..	.	.	.	.
South-Central...	..	...	...	...	...	...	...	..	..	..	..	..	..	.	.	.	.
Western.....	30	231	173,800	1,120	94	..	2	..	..	..	..	..	..	.	.	.	.
Mid-Western....	..	...	...	1	...	17	..	..	..	..	..	..	..	.	.	1	.
South-Eastern...	..	...	3,500	...	...	..	..	1	..	..	..	..	3	.	.	.	.
Northern.....	4	3	2,650	...	1	..	..	..	..	..	..	1	..	.	.	.	.
South-Western...	..	...	...	...	...	..	..	..	..	..	..	..	..	.	.	.	.
Ranger School...	13	33	14,800	667	2	1	1	4	6	.	7	2	4	.	.	.	.
Air Service.....	..	...	...	...	...	117	..	..	1	2	1	2	..	.	.	.	.
Head Office**...	9	...	310	98	146	117	61	26	30	.	50	15	8	.	.	.	.
TOTAL.....	1,115	7,568	3,517,310	39,896	2,510	1,705	813	878	584	38	910	346	181	31	4	43	3

**Includes Research Branch.

*V - Velocipedes; S - Snow Vehicles; B - Barges.

DEPARTMENT RADIO STATIONS

DISTRICT	STATION	CALL SIGN	NORMAL OPERATING FREQUENCIES	
			H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances	XLN21	4460	46.62
	Lac La Croix	XLN22	"	"
	Atikokan	XLQ71		"
	Rainy River	XLR59	"	"
	French Lake	XMN23		"
	Nym Lake	XLN234	"	"
	Cache Bay	XLN233	"	"
	Prairie Portage	XLN232	"	"
	Cabin 16	XLN29	"	"
	Beaverhouse Lake Cabin	XLN275	"	"
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	"	"
	Sioux Narrows	XLR42	"	"
	Dryden	XLN35	"	"
	Nestor Falls	XLN24		"
	Vermillion Bay	XLS87		"
SIOUX LOOKOUT	Sioux Lookout	XLN37	4460	46.86
	Red Lake	XLN43	"	"
	Pickle Lake	XLN38	"	"
	Ear Falls	XMN50	"	"
	Big Trout Lake	XLR62	"	"
	Ignace	XLN23	"	"
PORT ARTHUR	Port Arthur	XLN45	4580	46.70
	Shebandowan	SLN47	"	"
	Black Sturgeon Lake	XLN48	"	"
	Upsala	XLN217	"	"
	Saganaga Lake	XLN218	"	"
	Dorion	XMN78		"
	Armstrong	XLN40	"	"
	Sibley Park	XLN285		"
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	"	"
	Marathon	XLN54	"	"
	Killala Lake	XLN55	"	"
	Hillsport	XLQ46	"	"
	Nakina	XLS53	"	"
	Longlac	XLS52	"	"
	Macdiarmid	XLN49	"	"
WHITE RIVER	White River	XLQ78	4880	46.62
	Franz	XLN62	"	"
	Wawa	XLN63	"	"
	Movert	XLN61	"	"
	Manitouwadge Lake	XMN25	"	"

SAULT STE. MARIE	Sault Ste. Marie	XLN58	4880	46.78
	Blind River	XLN65	"	"
	Ranger Lake	XLN261	"	"
	Elliot Lake	XLN264	"	"
	Peshu Lake	XIQ41	"	"
	Pancake Bay	XLR39	"	"
	Kirkwood	XLP44	"	"
	Mount Lake	XLR69	"	"
	Redrock	XLN64	"	"
	Agawa Bay	XL043	"	"
	Mijin Lake	XL024	"	"
GOGAMA	Gogama	XLN78	4880	46.82
	Elsas	XLN79	"	"
	Foleyet	XLN84	"	"
	Opishing Lake	XLN42	"	"
	Ronda	XLP69	"	"
	Marne Lake	XLN283	"	"
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	"	"
	Sultan	XIQ73	"	"
	Biscotasing	XLN80	"	"
	Unegam Lake	XLN205	"	"
	Racine Lake	XMN77	"	"
	Wrong Lake	XLP46	"	"
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XIQ80	"	"
	Espanola	XIQ44	"	"
	Jamot	XLR30	"	"
	Massey	XLR29	"	"
	Windy Lake	XLR67	"	"
	Southbaymouth	XLS86	"	"
	Sandfield	XLR68	"	"
	Stinson	XLN239	"	"
	Fairbank Lake	XLN39	"	"
	George Lake	XLS85	"	"
	Little Current	XMN24	"	"
	Panache Lake	XLN279	"	"
KAPUS- KASING.	Kapuskasing	XLP78	4535	46.86
	Hearst	XLN69	"	"
	Hornepayne	XLN73	"	"
	Oba	XLN74	"	"
	Nagogamisis Lake	XLN237	"	"
	Remi Lake Park	XLN288	"	"
	Rogers Township	XLR71	"	"
COCHRANE	Cochrane	XIQ37	4535	46.78
	Timmins	XLN70	"	"
	Eades	XLN71	"	"
	Wade Lake	XIQ45	"	"
	Moosonee	XMN43	"	"
	Smooth Rock Falls	XIQ76	"	"
	Nellie Lake	XLN208	"	"
	Kettle Lakes Park	XLN209	"	"

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	"	"
	Matheson	XLS54		"
	Larder Lake	XLN95		"
	Matachewan	XLN60		"
	Gowganda	XL090		"
	Hills Lake	XL089		"
	Englehart	XLR64		"
	Burt Twp. Nursery	XLN212		"
NORTH BAY	North Bay	XLN83	"	"
	Temagami	XLN81	"	"
	Lady Evelyn Lake	XLN42		"
	Latchford	XLN252		"
	McConnell Lake	XLN246		"
	Bear Island	XLN251		"
	Haddo	XLP45		"
	Devils Lake	XLN253		"
	Samuel de Champlain	XLN270		"
	Marten River	XLN274		"
PEMBROKE	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	"	
	Brent	XLN91	"	
	Stonecliffe	XLN94	"	"
	Whitney	XLQ43	"	"
	Achray	XLQ47	"	"
	Round Lake	XLR40	"	"
	Kiosk	XLN50	"	"
	Sasajewun Lake	XLN51	"	
	Swan Lake	XLN59		
PARRY SOUND	Parry Sound	XLN89	4520	46.62
	Loring	XLN93		"
	Powassan	XMN35		"
	Byng Inlet	XLS24		"
	Ardbeg	XMN33		"
	Dorset	XMN34		"
	Bracebridge	XMN75		"
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	"	"
	Palmer Rapids	XLR41	"	"
	Dacre	XLS23	"	"
	Plevna	XLN53	"	"
	White Lake	XLP75		"
	Napanee	XLQ31		"
	Green Lake	XLR61	"	"
	Bon Echo Park	XLN286		"
	Outlet Park	XL098		"
	Kingston	XLP33		"
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	"	"
	Gooderham	XMN27	"	"
	Orono	XMN29		"
	Haliburton	XLR43	"	"
	Presqu'ile Park	XLN46		"

LINDSAY (Continued)	Apsley	XMN44	4775	46.78
	Ranger School	XLN25	"	"
	Darlington Park	XLN280	"	"
	Balsam Lake Park	XLN289	"	"
KEMPTVILLE	Kemptville	XMN41	4775	46.62
	La Rose	XMN51	"	"
	Westport	XLQ54	"	"
	Fitzroy Park	XLN272	"	"
	Lanark	XL087	"	"
	Alexandria (New Station)		"	"
LAKE ERIE	Aylmer	XL052	4520	46.62
	Holiday Beach Park	XLN267	"	"
	Wheatley	XLN268	"	"
	St. Williams	XMN28	"	"
	Rondeau Park	XLR60	"	"
	Pinery Park	XLP90	"	"
LAKE SIMCOE	Coldwater	XMN36		46.82
	Severn Falls	XMN37		"
	Honey Harbour	XMN39		"
	Six Mile Lake	XLR85		"
	Angus	XLN269		"
	Sibbald Point Park	XLN284		"
	Bass Lake Park	XLN287		"
LAKE HURON	Hespeler	XLN271		46.70
	Miller Lake	XLN276		"
	Owen Sound	XLN41		"
	Inverhuron Park	XLN61		"
HEAD OFFICE Toronto	Island Airport	XL053	4775	46.82
	Maple Laboratory	XLN20	"	"
	Maple	XLP22	3376	46.62
			4520	46.70
			4535	46.74
			4775	46.78
			4880	46.82
			5170	46.86
			5499	
			9172	

Maple frequently uses 5170 and 9172 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s.
V.H.F.--46.74 Mc/s.

DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

In 1934 George E. Ponsford became Director.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 23 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system will be installed on ten Otters, 15 Turbo-Beavers and one Twin-Otter in 1967.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of fifteen have been acquired replacing standard Beavers which have been sold. One twin-Otter was acquired in 1966.

T. C. Cooke was appointed Supervisor on August 1, 1965.

The Section currently operates and maintains a fleet of 41 aircraft to meet flying requirements of the Department and special needs of other Government Departments.

in years ending March 31st

HOURS FLOWN

Air Service Summary --

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter- Dept.	Photo	Mercy Flights	Miscel- laneous	TOTAL
1924- 1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	13,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	310	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	372	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	283	255	396	...	23	3,603	12,750:00
Total:	182,523	19,880	51,545	663	4,024	2,940	4,919	6,485	2,700	1,147	119,424	396,248:00

*Research includes Entomology.

AIR SERVICE SUMMARY (Continued)

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Personnel Carried	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
Total:	..	681,077	181,267	107,172	653

Hours Flown by HELICOPTERS in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,908:50
1966	937	142	136	193	1,408:50

PILOTS' FLYING TIME March 31, 1966

PILOTS		1924-65	1965-66	TOTAL
Allen	D.W.	4,258:35	381:35	4,640:10
Ballantyne	D.E.	3,000:10	338:25	3,338:35
Beaushene	G.D.	4,932:00	401:10	5,333:10
Bieck	A.H.	2,712:10	424:35	3,136:45
Burt	A.E.	9,374:15	337:20	9,711:35
Calver	D.R.	4,334:00	393:00	4,727:00
Campbell	G.E.	6,468:35	506:15	6,974:50
Colfer	A.P.	8,735:50	529:55	9,265:45
Cooke	T.C.	8,502:20	129:35	8,631:55
Cram	W.W.	2,119:40	233:10	2,352:50
Croft	B.R.	2,473:05	44:15	2,517:20
Croal	D.M.	3,318:00	511:20	3,829:20
Culliton	J.E.	1,103:35	293:15	1,396:50
Denley	J.G.	8,406:40	215:45	8,622:25
Evans	F.B.	5,425:25	273:30	5,698:55
Fiskar	U.W.	5,357:45	405:45	5,763:30
George	R.H.	.....	146:25	146:25
Glennie	N.A.	3,858:00	314:50	4,172:50
Good	S.D.	.....	251:40	251:40
Hoar	H.A.	3,578:40	211:50	3,790:30
Hoeberg	P.S.	4,243:20	496:10	4,739:30
Howe	F.R.	362:55	206:00	568:55
Kirk	C.J.	5,636:05	248:40	5,884:45
Lamont	J.A.	4,742:25	268:45	5,011:10
LeFeuvre	C.J.	10,341:25	361:20	10,702:45
Lowe	B.	2,258:40	280:20	2,539:00
Marych	E.	284:35	291:50	576:25
McLeod	A.A.	.....	336:55	336:55
McLeod	A.K.	105:30	291:20	396:50
McNabb	D.D.	244:50	312:15	557:05
MacDougall	F.A.	5,487:00	92:25	5,579:25
North	D.H.	1,939:00	381:20	2,320:20
Parsons	R.	8,153:05	202:55	8,356:00
Pike	S.J.	1,684:00	587:55	2,271:55
Siegel	J.	6,198:00	312:40	6,510:40
Speight	H.C.	9,539:20	446:10	9,985:30
Taylor	J.M.	3,710:40	59:20	3,770:00
Thomas	E.	4,522:30	272:25	4,794:55
Thompson	F.J.	3,842:00	312:55	4,154:55
Turcotte	L.J.	2,429:10	301:45	2,730:55
Weisflock	E.J.	348:00	340:20	688:20
Other Pilots		220,377:50	2:40	220,380:30
TOTAL HOURS		384,409:05	12,750:00	397,159:05

AIRCRAFT SERVICE RECORD, March 31, 1966

48 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1965-66	FLYING HOURS	
			1965-66	1924-66
33-BEAVER				
CF-0BS	1948	124	292:55	6,482:10
CF-0CA	1948	47	289:30	4,978:15
CF-0CB	1948	128	355:40	6,112:20
CF-0CC	1948	94	170:15	5,408:05
CF-0CD	1949	89	278:45	4,900:40
CF-0CE	1949	148	281:10	5,891:55
CF-0CG	1949	71	204:15	4,445:55
CF-0CH	1949	27	101:55	5,132:45
CF-0CJ	1949	97	213:50	4,988:10
CF-0CK	1949	77	237:40	5,193:15
CF-0CL	1949	36	209:40	4,568:05
CF-0CN	1949	75	258:50	5,591:15
CF-0CO	1949	...	:20	5,295:45
CF-0CP	1949	108	416:20	6,307:00
CF-0CQ	1949	37	143:15	5,922:15
CF-0CS	1949	4	42:30	4,923:10
CF-0CT	1949	94	406:45	5,800:15
CF-0CU	1950	...	:20	5,063:00
CF-0CV	1950	53	277:30	4,849:55
CF-0CX	1950	76	304:05	4,833:15
CF-0CY	1950	28	111:40	4,550:10
CF-0CZ	1950	80	213:55	3,747:55
CF-0DA	1951	80	407:00	4,350:55
CF-0DB	1951	51	273:35	5,184:35
CF-0DC	1951	85	344:50	5,958:45
CF-0DD	1951	154	559:30	2,388:55
CF-0DE	1951	52	328:55	4,070:25
CF-0DF	1952	50	197:40	4,173:00
CF-0DG	1952	91	350:10	5,318:30
CF-0DO	1955	2	92:25	1,140:00
CF-0DS	1956	58	275:05	1,182:55
10 OTTER				
CF-0DJ	1953	131	291:55	4,036:15
CF-0DK	1953	378	252:50	3,232:30
CF-0DL	1953	267	291:20	3,805:55
CF-0DP	1956	239	305:10	2,729:10
CF-0DQ	1956	131	302:45	3,132:55
CF-0DU	1960	278	264:15	1,863:20
CF-0DV	1961	183	345:40	2,581:35
CF-0DW	1961	210	315:35	1,680:25
CF-0DX	1962	388	483:40	1,172:35
CF-0DY	1962	156	260:45	894:10
WIDGEON				
CF-0DR	1956	13	167:15	2,140:55
6 TURBO BEAVER				
CF-0EA	1965	80	350:50	451:30
CF-0EB	1965	28	197:50	239:55
CF-0EC	1966	64	261:40	261:40
CF-0ED	1966	174	419:40	419:40
CF-0EE	1966	97	350:15	350:15
CF-0EF	1966	56	248:20	248:20

Total, All Other Aircraft since 1924..... 218,203:15

TOTAL 4,999 12,750:00 396,248:00

AIR SERVICE BASE OPENING DATES (or First Float Flying)

*Year Round Base

BASE	1944	1945	1946	1947	1948	1949	1950	1951
*Algonquin Park.....	3 May	26 April	30 April	8 May	19 April	2 April	17 May	29 April
Carey Lake.....	.....	.....	.....	.....	.....	.....	.....	.....
Caribou Lake.....	19 May	12 May	23 May	3 June	19 May	9 May	1 June	21 May
*Chapleau.....	.....	.....	.....	.....	8 May	10 May	16 May	30 April
Biscotasing.....	7 May	26 April	22 April	17 May	28 April	7 May	20 May	.....
*Eva Lake.....	.....	.....	27 April	16 May	8 May	1 May	20 May	10 May
Fort Frances.....	15 May	27 April	7 May	20 May	11 May	30 April	24 May	7 May
*Geraldton.....	14 May	.....	.....	.....	14 May	4 May	20 May	9 May
*Gogama.....	.....	.....	.....	14 May	27 April	30 April	8 May	24 April
Ignace.....	19 May	12 May	1 May	20 May	10 May	3 May	22 May	9 May
Kenogami Lake.....	.....	.....	.....	.....	.....	.....	.....	10 May
*Kenora.....	20 May	10 May	14 May	20 May	8 May	3 May	22 May	10 May
Lauzon Lake.....	.....	.....	.....	.....	.....	.....	.....	.....
Oba Lake.....	17 May	5 May	7 May	27 May	5 May	10 May	8 May	8 May
Orient Bay.....	23 May	23 May	7 May	12 June	18 May	12 May	23 May	16 May
Parry Sound.....	.....	.....	.....	6 May	12 May	13 April	27 April	17 April
Pays Plat.....	5 May	9 May	30 April	14 May	8 May	7 May	18 May	8 May
Pickle Lake.....	.....	.....	26 May	2 June	13 May	9 May	3 June	17 May
*Port Arthur.....	16 May	2 May	30 April	16 May	18 May	30 April	19 May	2 May
Red Lake.....	19 May	10 May	7 May	26 May	13 May	3 May	29 May	15 May
Remi Lake.....	17 May	3 May	15 May	2 June	10 May	4 May	23 May	3 May
*Sault Ste. Marie.....	27 April	10 April	11 April	30 April	14 April	7 April	6 April	9 April
*Sioux Lookout.....	15 May	16 May	3 May	20 May	12 May	1 May	27 May	12 May
South Porcupine.....	.....	.....	3 May	27 May	1 May	3 May	19 May	30 April
*Sudbury.....	8 May	1 May	13 April	14 May	27 April	25 April	12 April	25 April
Temagami.....	8 May	20 April	23 April	17 May	27 April	20 April	15 May	1 May
*Toronto.....	.....	.....	.....	.....	.....	.....	.....	.....
Twin Lakes.....	18 May	12 May	22 May	8 June	14 May	12 May	30 May	1 May
White River.....	.....	.....	.....	.....	.....	.....	.....	.....

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base	1952	1953	1954	1955	1956	1957	1958
BASE							
*Algonquin Park..	24 April	21 April	29 April	21 April	11 May	25 April	23 April
Carey Lake.....	10 May	15 May	18 May	30 April	27 May	7 May	9 May
Caribou Lake.....	7 May	14 May	27 May	1 May	1 June	13 May	15 May
*Chapleau.....	8 May	8 May	4 May	22 April	14 May	3 May	24 April
Eva Lake.....	30 April	29 April	17 May	28 April	16 May	6 May(Moved to Nym Lake)	
*Fort Frances....	1 May	4 May	13 May	27 April	16 May	29 April	18 April
*Geraldton.....	5 May	7 May	18 May	27 April	17 May	7 May	5 May
*Gogama.....	23 April	29 April	3 May	22 April	14 May	1 May	28 April
Ignace.....	1 May	5 May	18 May	28 April	16 May	6 May	2 May
Kenogami Lake...	2 May	7 May	9 May	26 April	22 May	10 May	4 May
*Kenora.....	1 May	7 May	18 May	27 April	17 May	6 May	15 April
Launon Lake.....	.....	18 April	28 April	19 April	7 May	29 April	17 April
Nym Lake.....	.....	.....	.....	.....	.....	.....	2 May
Oba Lake.....	8 May	10 May	15 May	28 April	16 May	9 May	4 May
Orient Bay.....	7 May	8 May	21 May	1 May	1 June	13 May(Moved to Port Arthur)	
Parry Sound.....	23 April	30 Mar.	20 April	18 April	3 May	28 April	21 April
Pays Plat.....	2 May	6 May	11 May	4 May	15 May	6 May	2 May
Pickle Lake.....	7 May	13 May	2 June	6 May	1 June	13 May	16 May
*Port Arthur.....	22 April	30 April	7 May	22 April	30 April	29 April	30 April
Red Lake.....	3 May	8 May	21 May	28 April	19 May	9 May	2 May
Remi Lake.....	2 May	13 May	19 May	29 April	21 May	6 May	7 May
*Sault Ste. Marie	7 April	27 Mar.	13 April	19 April	3 May	29 April	26 March
*Sioux Lookout...	3 May	7 May	20 May	27 April	19 May	10 May	1 May
South Porcupine.	1 May	5 May	5 May	27 April	15 May	6 May	2 May
*Sudbury.....	28 April	20 April	29 April	19 April	9 May	1 May	18 April
Temagami.....	1 May	28 April	4 May	26 April	17 May	3 May	2 May
*Toronto.....	30 April	21 April	18 April	22 April	20 April	22 April	20 April
Tweed.....	16 May	13 May	22 May	.....	.....	28 April	18 April
Twin Lakes.....	.....	.....	.....	6 May	17 June	10 May	13 May
White River.....	.....	11 May	18 May	29 April	21 May	10 May	2 May

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base	1959	1960	1961	1962	1963	1964	1965	1966
BASE								
*Algonquin Park...	5 May	2 May	4 May	3 May	24 April	7 May	15 May	.....
*Carey Lake.....	12 May	23 May	10 May	13 May	9 May	13 May	13 May	25 May
*Caribou Lake.....	15 May	22 May	24 May	25 May	20 May	11 May	17 May	26 May
*Chapleau.....	4 May	11 May	4 April	7 May	29 April	1 May	4 May	1 April
*Fort Frances.....	28 April	4 May	1 May	1 May	25 April	4 May	7 May	6 May
*Geraldton.....	10 May	18 May	11 May	16 May	7 May	7 May	11 May	1 April
*Gogama.....	6 May	5 May	10 May	7 May	1 May	1 May	7 May	16 July
*Ignace.....	8 May	12 May	11 May	11 May	8 May	8 May	13 May	.....
*Kenogami Lake....	12 May	18 May	13 May	10 May	8 May	4 May	12 May	19 May
*Kenora.....	30 April	12 May	11 May	9 May	6 May	8 May	3 May	6 April
*Lauzon Lake.....	20 April	2 May	26 April	26 April	22 April	30 April	4 May	25 April
*Nym Lake.....	8 May	12 May	12 May	16 May	8 May	8 May	11 May	29 May
*Oba Lake.....	11 May	23 May	11 May	15 May	.....	.....	.....	.....
*Parry Sound.....	27 April	27 April	26 May	25 April	22 April	23 April	11 May	2 April
*Pays Plat.....	8 May	12 May	10 May	11 May	23 April	8 May	11 May	9 May
*Pembroke.....	.....	.....	4 May	26 April	23 April	25 April	4 May	1 April
*Pickle Lake.....	15 May	20 May	19 May	16 May	17 May	17 May	13 May	31 May
*Port Arthur.....	24 April	13 May	19 May	16 May	5 May	5 May	11 May	17 May
*Red Lake.....	14 May	16 May	19 May	15 May	8 May	10 May	12 May	25 May
*Remi Lake.....	12 May	19 May	11 May	15 May	9 May	6 May	12 May	24 May
*Sault Ste. Marie..	8 April	11 April	4 April	2 April	3 April	3 April	.....	1 April
*Sioux Lookout....	14 May	16 May	16 May	8 May	2 May	7 May	10 May	2 April
*South Porcupine..	8 May	16 May	11 May	9 May	11 May	4 May	11 May	14 May
*Sudbury.....	1 May	4 May	10 May	27 April	24 April	28 April	8 May	25 April
*Temagami.....	8 May	11 May	17 May	9 May	1 May	4 May	14 May	9 May
*Toronto.....	28 April	28 April	19 April	6 April	17 April	20 April	.....	5 April
*Twined.....	27 April	28 April	25 April	25 April	18 April	23 April	4 May	25 April
*Twin Lakes.....	15 May	25 May	21 May	22 May	15 May	11 May	13 May	.....
*White River.....	12 May	20 May	12 May	15 May	15 May	10 May	11 May	19 May

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of

North America 1752-1802 Surveyor-General.

Sir D. W. Smith

First Surveyor

General of Province

for Upper Canada 1792-1804 Surveyor-General

C. B. Wyatt 1805-1807 Surveyor-General

Thomas Ridout 1810-1829 Surveyor-General

Hon. S. P. Hurd 1832-1835 Surveyor-General

J. Macaulay 1836-1838 Surveyor-General

Hon. R. B. Sullivan 1838-1840 Surveyor-General

Thos. Parke 1841-1845 Surveyor-General

* G. B. Kirkpatrick 1880-1917 Director of Surveys

* L. V. Rorke 1918-1928 Director of Surveys

† L. V. Rorke 1928-1936 Deputy Minister/

Surveyor-General

‡ C. H. Fullerton 1936-1946 Surveyor-General

F. W. Beatty 1946-1962 Surveyor-General

Robert G. Code 1962- Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Supervisor: R. S. Hyslop

Management of public lands including lands under water. Disposal by sale, patent, vesting order, quit claim deed, lease, licence of occupation or land use permit for many private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for parks, access points, other public and government uses. Processes recommendations for the establishment of Wilderness Areas including nature reserves.

SURVEYS SECTION

Supervisor: S. B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

LAND ACQUISITION AND PLANNING SECTION

Supervisor: W. G. Maslen

Recommendations and applications for purchase of private lands for water access, hunting, fishing forestry and recreation and other public uses. Supervision of the preparation of Land Use plans. Advisory Committee on Recreational Land Use Planning. Private Lands Liaison Committee.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 204 township subdivision surveys have been annulled, as of December 30th, 1964, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 30, 1966, a total of 716 plans of subdivision for summer cottage purposes have been registered, covering 8,684 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1966, the total installed capacity of power plants under lease and in service is 4,861,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,218,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogdaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND ACQUISITION AND PLANNING SECTION

This section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

Since 1965 this section also supervises and co-ordinates the functioning of Land Use Planning. The recreational Land Use Planning Advisory Committee was established by Order-In-Council to advise on recreational planning in the departmental administrative districts.

The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

The request for land for recreational use has increased greatly since 1948. The Department adopted the policy of zoning areas to ensure orderly development of public lands.

Under the Canada Land Inventory the Province agreed to co-operate with the Government of Canada in carrying out a capability inventory of the timber, wild life and recreation resources in the province. The inventory is designed to produce maps and data on soil and site capability for resource management uses.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603

*Figures for previous calendar year ending December 31.

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	Town, City Townplot	Quit Claims	Misc	Total
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357	399	22	73			851
1925	367	329	45	115			856
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188	122	70			495
1934	154	173	112	69			528
1935	46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938	165	213	165	53			603
1939	130	178	129	122			590
1940	151	148	106	106			527
1941	154	172	126	86			552
1942	131	137	98	85			474
1943	181	161	127	50			541
1944	218	359	231	76			954
1945	226	315	206	108			929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948	164	299	446	153			1,062
1949	107	225	756	146			1,421
1950	196	316	1,046	182			1,927
1951	150	256	1,125	143			1,849
1952	165	242	1,294	90			1,948
1953	120	256	1,263	126			1,935
1954	136	256	1,312	99			1,957
1955	87	188	1,479	70			1,987
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958	13	150	962	69			1,346
1959	36	118	1,220	104			1,587
1960	44	109	1,946	102			2,368
1961	29	108	1,841	94			2,231
1962	25	94	2,234	108	40	158	2,659
1963	30	84	1,418	106	23	146	1,807
1964	18	88	1,088	70	24	140	1,428
1965	11	62	977	46	22	128	1,246
1966	12	37	883	46	15	99	1,092

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri-cultural	Summer Resort	City, Town Townplot	Quit Claims	Misc.	Total
1922	64,813	43,120	70	90			108,093
1923	54,350	56,953	55	45			111,403
1924	52,423	49,471	72	25			101,991
1925	49,228	41,777	101	31			91,137
1926	47,115	47,493	58	35			94,701
1927	33,882	42,326	31	37			76,276
1928	35,903	31,069	55	127			67,154
1929	30,185	41,035	31	34			71,285
1930	33,243	51,059	400	112			84,814
1931	27,310	49,310	526	135			77,281
1932	19,334	40,276	360	81			60,051
1933	12,053	22,087	378	612			36,439
1934	19,662	22,749	366	18			42,837
1935	5,707	7,329	128	10			13,282
1936	21,340	22,999	349	43			44,777
1937	14,658	12,331	423	24			27,523
1938	20,490	27,266	402	122			48,418
1939	17,569	20,575	523	130			40,817
1940	18,206	17,236	522	126			36,279
1941	16,064	20,154	469	20			36,849
1942	14,973	15,798	361	31			33,308
1943	20,387	18,615	422	18			41,430
1944	28,611	43,846	660	32			76,920
1945	29,266	36,308	1,526	50			70,993
1946	26,068	36,683	781	130			74,158
1947	21,669	52,190	1,765	175			89,072
1948	22,119	32,930	1,154	166			56,369
1949	14,360	26,435	1,985	67			55,979
1950	24,287	35,484	2,616	112			118,960
1951	19,826	28,105	2,205	94			55,702
1952	21,412	26,474	3,364	38			58,606
1953	29,319	29,319	2,287	69			54,738
1954	29,124	29,124	2,169	63			55,237
1955	21,266	21,266	2,438	27			40,020
1956	7,502	12,206	1,588	1,613			29,183
1957	5,259	14,883	1,411	830			27,558
1958	1,847	15,472	1,350	323			24,612
1959	4,658	12,206	1,588	52			21,060
1960	5,910	11,380	2,011	295			29,970
1961	3,701	11,633	1,933	182			22,388
1962	2,670	10,267	2,415	63	3,409	4,091	22,915
1963	3,939	9,512	1,494	65	1,387	4,863	21,260
1964	2,385	8,783	1,092	221	4,152	6,625	23,258
1965	1,319	6,468	981	15	1,916	16,668	27,367
1966	1,306	3,682	925	13	927	2,345	9,198

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	20	2,694	528	64,783	89	11,310	218	28,610
1945	21	2,308	678	83,655	116	14,441	226	29,266
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,306

Year	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	325	31,934	445	39,615	177	20,124	359	43,845
1945	269	27,158	562	49,651	152	16,002	315	36,307
1946	281	26,535	438	42,933	162	17,464	321	36,683
1947	303	29,757	338	29,470	222	22,801	433	52,189
1948	280	29,506	402	37,069	185	21,667	299	32,929
1949	277	28,740	378	35,095	105	12,392	225	26,435
1950	267	26,671	327	32,452	113	12,145	316	35,483
1951	195	19,228	221	22,134	69	7,673	256	28,104
1952	223	24,420	143	13,358	71	7,313	242	26,474
1953	186	21,965	221	21,645	70	7,560	256	29,319
1954	144	14,534	131	13,049	50	4,484	256	29,123
1955	158	15,232	161	17,377	92	4,131	188	21,265
1956	117	12,230	184	18,513	26	3,008	148	17,892
1957	82	8,683	191	19,038	15	1,461	126	14,882
1958	101	10,543	174	17,087	7	807	150	15,471
1959	101	10,607	141	13,788	12	1,227	110	11,644
1960	68	6,758	59	5,788	3	211	105	10,980
1961	35	3,808	94	9,133	15	1,531	108	11,633
1962	10	1,102	58	5,892	4	330	94	10,267
1963	5	284	59	5,868	5	446	84	9,512
1964	6	549	9	810	1	80	88	8,783
1965	16	1,384	48	4,778	..	.....	62	6,468
1966	12	1,084	29	2,860	..	.....	37	3,682

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1944	344	948	10	25	3	5	231	659	...
1945	459	1,180	11	20	9	15	206	1,525	330
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,350	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939
1965	881	824	32	33	3	8	977	981	726
1966	856	863	23	21	17	25	883	925	838

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales		Cancellations		Assignments		Patents		Quit Claim Deeds	
		No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1947	275		137.92	9	2.39	27	6.67	249	175.39	.	...
1948	...		...	..	...	..	...	...	...	.	...
1949	151		68.626	17	17.182	22	8.904	146	66.634	.	...
1950	97		102.906	10	1.668	11	21.764	182	111.60195	.	...
1951	87		56.996	15	30.05	10	2.2145	143	94.3345	.	...
1952	91		252.47	7	1.695	10	1.576	90	38.274	.	...
1953	111		64.7477	19	13.82	2	0.378	126	68.950	.	...
1954	89		28.604	8	23.308	7	1.682	99	63.0438	.	...
1955	60		15.411	11	5.271	11	2.39	70	26.651	.	...
1956	91		44.690	14	6.06	7	1.44	85	1,613.190	.	...
1957	96		60.547	14	5.04	2	0.37	85	70.632	.	...
1958	76		15.693	10	1.159	4	0.86	69	323.050	.	...
1959	109		30.8821	6	2.109	4	0.978	101	37.990	3	12.909
1960	113		36.315	12	1.1872	4	0.941	99	75.994	3	219.485
1961	83		29.443	17	3.318	5	0.98	91	25.618	3	155.89
1962	104		39.910	20	5.708	..	...	105	61.243	3	1.34
1963	77		31.941	31	6.318	8	2.885	99	36.547	7	28.314
1964	64		34.650	4	4.892	1	0.2	67	218.826	3	2.305
1965	27		7.140	13	2.840	1	0.394	45	15.019	1	0.13
1966	34		14.189	11	2.140	1	0.24	45	12.254	1	0.69

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	Assignments No.	Acres	No.	Patents Acres	Quit Claim No.	Deeds Acres
1947	211	14,293.96	..	...	6	134.05	145	13,272.99	..	....
1948	...	...	..	...	.	...	...	...	..	....
1949	199	20,541.913	5	110.00	3	184.53	...	13,132.423	..	....
1950	183	26,616.1662	5	206.59	4	95.86	187	55,461.188	..	....
1951	155	4,285.757	11	255.655	2	100.68	175	5,471.559	..	....
1952	149	5,367.3395	15	576.64	1	20.08	157	7,318.1075	..	....
1953	141	5,440.696	9	640.02	2	2.91	170	6,931.922	..	....
1954	145	4,220.913	12	418.984	7	87.56	154	6,168.493	..	....
1955	143	4,745.9465	12	614.26	3	111.771	163	4,989.0825	..	....
1956	129	7,451.9988	10	427.33	3	6.23	132	6,274.0393	..	....
1957	81	2,122.698	7	249.84	.	...	132	5,175.287	..	....
1958	148	4,533.512	12	545.20	.	...	152	5,620.207	..	....
1959	88	1,738.784	2	95.48	1	2.13	108	2,554.183	1	1.35
1960	157	3,201.033	4	228.25	3	4.11	162	10,254.213	5	119.569
1961	108	9,149.599	6	159.31	.	...	156	4,888.957	3	50.00
1962	122	2,587.402	5	82.114	2	1.69	158	4,090.992	40	3,409.015
1963	100	2,527.392	3	180.21	.	...	146	4,863.112	23	1,387.196
1964	75	1,529.052	4	83.03	.	...	140	6,624.6265	24	4,152.1467
1965	86	622.792	8	432.33	.	...	128	16,667.445	22	1,916.369
1966	83	671.858	8	244.489	.	...	99	2,345.328	15	926.54

LICENCES OF OCCUPATION

LEASES

YEAR Ending March 31st	No. Issued	No. Cancelled	No. Issued	No. Cancelled
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111
1966	53	71	76	86

LAND USE PERMITS in years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	...
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	...	...
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	District	Island	Township 28, 42A*	Electoral 33A	Misc.	Provincial Total	National† Topographic	Grand Total
1947	3,650	7,378	600	1,772	141	3,103	16,644	10,535	27,179
1948	1,975	7,373	168	506	25	1,100	11,147	11,215	22,362
1949	4,800	8,169	357	1,004	169	2,030	16,529	15,241	31,770
1950	1,896	7,560	1,255	510	152	5,062	16,435	17,013	33,448
1951	2,814	6,730	650	370	61	3,433	14,058	21,435	35,493
1952	2,096	9,426	932	285	311	3,292	16,342	24,139	40,481
1953	1,990	8,156	791	330	207	4,150	15,624	30,310	45,934
1954	2,734	9,254	593	216	64	5,167	18,028	34,459	52,487
1955	3,045	12,137	607	459	250	8,766	25,264	48,283	73,547
1956	2,113	10,475	882	576	839	1,254	16,139	48,604	64,743
1957	2,212	11,687	671	398	190	12,776	27,934	50,013	77,947
1958	1,831	12,592	345	491	126	1,890	17,275	62,048	79,323
1959	2,435	9,071	462	448	259	10,400	23,075	68,787	91,862
1960	1,285	9,728	345	829	320	8,369	20,876	68,891	89,767
1961	1,333	6,906	219	530	142	7,686	16,816	63,104	79,920
1962	2,523	10,755	...	584	503	18,500	32,865	78,866	111,731
1963	1,194	11,215	...	113	193	9,404	22,119	69,554	91,673
1964	652	8,255	...	403	313	9,100	18,723	43,685	62,408
1965	651	9,152	...	688	257	5,963	16,711	42,270	58,981
1966	586	9,881	...	320	135	14,206	25,128	42,240	67,368

*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

†National Topographic (except for official use) are for resale, including Dominion and Provincial N. T. S. sheets.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. **MASSACRE ISLAND** -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

2. **JONES ROAD** -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.

3. **WHITE OTTER LAKE** -- 41 acres in Sioux Lookout District. Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

5. **SIOUX MOUNTAIN** -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

6. **ECHO TOWNSHIP** -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.

7. **OUTER BARN ISLAND** -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

8. **BAT CAVE** -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.

9. **SLEEPING GIANT** -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

10. **PORPHYRY ISLAND** -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
13. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. **RICHARDSON HARBOUR ISLAND** -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. **KISHKEBUS LAKE** -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. **MATAWATCHAN** -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. **RONDEAU PARK** -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. **TURKEY POINT** -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. **McCRAE LAKE** -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. **PRESQU'ILE ISLANDS** -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. **NEW BRUNSWICK HOUSE POST** -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. **PINERY PROVINCIAL PARK FOREST** -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. **PINERY PROVINCIAL PARK SHORE** -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. **PINERY PROVINCIAL PARK DUNE FOREST** -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

LATER ESTABLISHMENTS

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961. 36th Area.

80. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

95. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

98. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch in the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

101. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood. 40th Area.

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Chief: G. H. FERGUSON, Q.C.

SOLICITORS:

W. E. D. PETERS

W. J. Obelnyck

PATENTS OFFICE

Supervisor: B. P. Foster

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26, 1959, 42 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBERS ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated June 17th, 1965, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1967, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

(a) Forest Inventory - 50 per cent.

(b) Reforestation of Crown Lands, including lands of public authorities under control of the province;

(i) \$15 per unit for planting;

(ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground preparation (scarification or controlled burning);

(iv) 25% of the amount expended for establishment or expansion of nurseries.

A unit is the planting of 1,000 trees or the seeding of an acre.

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects - 50 per cent.

(d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products - 50 per cent.

(e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection - 50 per cent.

The maximum annual payment shall not exceed \$1,650,018 for any or all projects approved under the agreement. Additional assistance may be paid if other provinces do not qualify to receive their full allotment

of the sum of \$7,910,000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after

April 1, 1963 - 50%. Cost of land and other similar items are excepted.

12. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

NEW POLICIES

[illegible]

OPERATIONS BRANCH

Operations Branch has two main objectives:

Maximal efficiency in purchasing, supply and services performed for Department offices; and

Public understanding of Department activities and objectives in the management of Ontario's renewable, natural resources.

Branch responsibilities are divided as follows.

OFFICE MANAGEMENT SECTION: Inventory of major equipment; licensing of boats; production and revision of circulars and bulletins; Crown land records and microfilming; uniform records and approval of issues; budget estimates; and special assignments.

PURCHASING SECTION: Purchase of equipment, supplies and services; investigations and quotation calls; search for new developments; filling requisitions; leases and rentals; lighting and other office services; and arrangements for travel and conferences.

CENTRAL SUPPLY WAREHOUSE SECTION: Receipt and security of equipment, supplies, uniforms and printed material; shipping to field offices and delivery to Toronto area offices; duplicating and collating of forms, letters, bills and reports; and distribution of licences and publications.

CONSERVATION INFORMATION SECTION: Publications for general public and for special groups; weekly news and special press releases; articles and background material for outside agencies; display and classified advertisements; photo, slide and cut service; reference library and clipping service; and supply of information to public in response to frequent requests.

CONSERVATION EDUCATION SECTION: Major exhibits; display material for other Department exhibits; production of motion films for general showing and for television; radio and television program material; and lectures to youth and adult groups.

ACCIDENT CONTROL SECTION: Administration of The Loggers' Safety Act; Hunter Safety Training Program; safety program in Provincial Parks; internal safety and first aid program; and Workmen's Compensation as it pertains to the Department.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

M. A. GONTIER

Supervisor

OFFICE MANAGEMENT

Sub-section Supervisor: A. F. Madore

Office Management, Records
Circular Production, Uniforms

PURCHASING

Sub-section Supervisor: G. A. Harper

Purchases, Leases, Invoices
Inventories, Material Control

CENTRAL SUPPLY WAREHOUSE

Sub-section Supervisor: M. R. Toms

Housing, Recording and Shipping
Delivery to Toronto Area Offices

CONSERVATION INFORMATION

News and Press Releases, Photos
Publications, Public Appeals
Information, Editorial Services

C. V. RICH

Supervisor

CONSERVATION EDUCATION

Exhibits and Display Material
Lectures, 16 mm Films
Material for Radio, Television

ACCIDENT CONTROL

Sub-section Supervisor: H. H. Carter

Logger Safety, Hunter Safety
Workmen's Compensation
Department Safety, Parks Safety

HUNTER SAFETY TRAINING PROGRAM*

<u>Year</u>	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	<u>at December 31</u>	<u>Yearly</u>	<u>To Date</u>	<u>Non Fatal</u>	<u>Fatal</u>	<u>Total</u>
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966**	3,200	19,342	121,953	116	12	128

CAUSES OF ACCIDENTS IN 1964

	%age of Total
INTENTIONAL DISCHARGE:	
Victim mistaken for game.....	11
Victim out of sight of shooter.....	13
Victim covered by shooter swinging on game.....	5
Victim moved into line of fire.....	6
Sub-total...	35
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled.....	12
Trigger caught on brush, clothing, etc.....	12
Defective weapon.....	5
"Horseplay".....	5
Loading and Unloading.....	6
Crossing fence, etc., with loaded weapon.....	4
In vehicle with weapon loaded.....	2
Removing from or placing in vehicle.....	1
Weapon fell from insecure rest.....	3
All other circumstances.....	11
Sub-total...	61
UNKNOWN.....	4

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report. Accident totals are subject to correction.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$ .....\$	.....\$	\$ .....	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,432	11,381	2,489	144,672	567	118

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

YEAR	MEETINGS			ATTENDANCE		
	School	Public	OFA*	Total	School	Public
1946	423	311	...	734	53,913	29,558
1947	405	376	...	781	50,990	42,433
1948	780	752	...	1,532	101,360	58,615
1949	876	655	20	1,551	89,020	71,969
1950	827	629	401	1,857	93,895	136,293
1951	675	913	1,241	2,829	80,411	75,850
1952	702	1,246	462	2,410	50,900	84,283
1953	721	1,223	950	2,894	53,679	86,895
1954	1,196	1,546	320	3,062	89,835	95,701
1955	1,143	1,526	601	3,270	92,381	116,261
1956	1,076	1,042	703	3,181	90,540	107,746
1957	1,261	1,710	674	3,645	93,672	127,174
1958	972	1,708	538	3,218	67,013	97,334
1959	831	2,196	409	3,436	68,146	124,703
1960	1,094	2,715	484	4,293	92,794	158,682
1961	1,026	3,198	401	4,625	80,015	187,686
1962	808	2,533	406	3,747	63,957	164,119
1963	771	2,266	374	3,411	60,788	165,017
1964	877	2,095	398	3,370	72,773	159,968
1965	949	2,165	220	3,334	91,184	145,965
1966	1,091	1,991	297	3,082	100,555	140,213
Total:	18,504	33,156	8,899	60,262	1,637,821	2,376,465
						1,108,145
						5,102,710

*Lectures given by Ontario Forestry Association.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS			Tons of Supp- lies	PRINTED MATERIAL		
					* Letters of Enquiry Answered	Adminis- tration	Conser- vation		Licences	Parks Permits	Publi- cations
1947	25	.....	.....	8	4,200	508	65	...	.....	.....	.....
1948	26	.....	.....	13	6,900	...	..	53	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	...	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	253	1,392,043	825,900	1,196,414
1963	260	3,700	9,000	75	30,300	150	50	228	1,432,902	1,000,850	1,442,523
1964	260	3,800	9,200	75	32,000	178	50	247	1,542,810	1,057,730	1,918,841
1965	255	3,800	9,200	75	33,000	161	50	246	1,581,980	1,125,725	2,211,227
1966	255	4,200	9,500	75	34,500	146	30	217	1,669,084	1,058,325	2,082,753

*Information supplied by mail. **Technical publications not included after 1962.

LANDS AND FORESTS PUBLICATIONS

(Not including technical reports)
as of December 31, 1965

Code

FW

FISH AND WILDLIFE

- 1 Sport Fishes of Ontario (colour wall chart). \$ 1.00
- 2 Commercial Fishing in Ontario
- 3 Landlocked Sea Lamprey
- 4 Summary of the Ontario Regulations which apply to Trapping
and Fur Dealing
- 5 Fur in Ontario
- 6 Meet the Wildlife of Ontario's Outdoors 0.35
- 7 Fishing in Lake Simcoe 1.00
- 8 The Game and Fish Act and the Ontario Fishery Regulations
- 9 Summary of the Ontario Fishery Regulations
- 10 Summary of the Ontario Fishery Regulations (Poster)
- 11 Summary of the Ontario Big Game Hunting Seasons
- 12 Summary of the Ontario Hunting Regulations
- 16 Fishes of Ontario 2.50

OR

OUTDOOR RECREATION

- 1 The Ontario Outdoorsman's Manual 0.25
- 2 So You Want to Go Camping
- 3 Where to Fish in Northwestern Ontario
- 4 Where to Fish in Northeastern Ontario
- 5 Where to Fish in Southern Ontario
- 6 The Ten Commandments of Hunter Safety
- 7 Why Hunter Safety Training?
- 8 How to Survive in the Woods
- 10 The Scent of Death

PP

PROVINCIAL PARKS

- 2 Algonquin Provincial Park
- 3 Canoe Routes---Algonquin
- 4 Canoe Routes---Quetico
- 5 Quetico Provincial Park
- 6 Reptiles of Algonquin Provincial Park
- 7 Canoe Routes -- North Georgian Bay Recreational Reserve
- 8 Sibbald Memorial Museum

F

FORESTS

- 1 The Forest Trees of Ontario \$0.50
- 2 Hardwood Trees of Ontario with Bark Characteristics . 0.50
- 3 The Forest Resources of Ontario
- 5 Common Trees
- 7 Planning for Tree Planting
- 8 Care and Planting of Forest Trees
- 10 Manual of Seed Collecting

FP

FOREST PROTECTION

- 1 Our Forests Are Burning
- 2 Tower Jack
- 3 The Forest Fires Prevention Act

FI

FOREST INDUSTRY

- 1 Lumber in Ontario
- 4 The Pointer Boat

LW

LAND AND WATER

- 1 List of Water Powers in the Province of Ontario \$0.75
- 2 Geographic Townships in the Province of Ontario 0.50
- 3 Ontario Resources Atlas (maps in colour) 1.00
- 4 Summer Cottage Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

A

ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests:
Part I, detailed; Part II, Highlights.
- 2 A Statistical Reference of Lands and Forests Administration
- 3 Ontario Forest Ranger School (Information brochure)
- 4 Ontario Junior Forest Ranger Programme
- 5 List of Publications for Distribution

H

HISTORY

- 1 Algonquin Story \$2.50
- 3 Indians of Ontario 1.00
- 4 Early Days in Haliburton 2.50
- 5 Early Days (Air Service)
- 6 Fifty Years of Reforestation in Ontario 0.50
- 7 H. M. S. Nancy and the War of 1812
- 8 Arrayed-in-Wampum

FDH

FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | 21 Sudbury |
| 6 Sioux Lookout | 14 Cochrane | |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapleau | |

NEW POLICIES

[illegible]

NEW POLICIES

[illegible]

PARKS BRANCH

With the realization of an imminent need for public outdoor recreational space, the Division of Parks was established on October 1, 1954, with the late W. B. Greenwood as Chief. It was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1, 1961. After a lengthy illness, he was superannuated on December 31, 1964.

D. R. Wilson was appointed Chief on May 1, 1965. In 1965, the Branch was enlarged and re-organized.

Mr. Wilson left the branch to become Director of the Southern Region. Former Regional Forester P. Addison became branch Chief as of Jan. 1, 1967.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established in 1894 by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Long Point was established in 1921 by the Long Point Park Act, 2 George V, Chapter 35. Presqu'ile was established in 1922 by the Presqu'ile Park Act, 12 George V, Chapter 39. Quetico, Ipperwash, Sibley and Lake Superior were established by Orders-in-Council.

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from the Department of Highways in 1957. Ten were returned in the year ending March 31, 1960.

Within the responsibility of providing parklands for public recreation is the provision of certain facilities. With few exceptions, the emphasis is placed upon the natural environment with planning and development consistent with the natural surroundings.

In certain provincial parks, museums, exhibit centres, self-guiding trails and interpretive programmes of conducted trips and illustrated talks indicate and explain significant natural and historical park features. In 1965, a new museum building at Rondeau was opened to the public.

Waterfowl shooting has been continued through the years in Rondeau and Presqu'ile Provincial Parks. It was discontinued, temporarily, in Darlington and Holiday Beach Provincial Parks and renewed in 1960 and 1961, respectively.

Pheasant shooting of stocked birds was opened in 1961 in Sibbald Point, Presqu'ile and Darlington Provincial Parks and in 1963 in Earl Rowe Provincial Park.. With the addition of the Townships of Bruton and Clyde to Algonquin Provincial Park in 1961, moose and deer hunting were permitted to be continued in those townships. Moose hunting, which has been discontinued in Lake Superior Park since 1957, was reopened in 1961.

To extend the use of provincial parks, facilities for tobogganing, skating and skiing have been provided in Pinery Park and for skating in Darlington Park.

PARKS BRANCH

Chief: P. ADDISON

RECREATIONAL LAND USE PLANNER

J. W. KEENAN

PARK PLANNING AND DEVELOPMENT

Supervisor: R. H. HAMBLBY

PARK OPERATIONS

Supervisor: W. G. CLEAVLEY

SECRETARY TO ONTARIO PARKS
INTEGRATION BOARD

C. R. TILT

PUBLIC USE OF PROVINCIAL PARKS

Year	Parks	Vehicles	Campers	Wilderness Campers†	Total Visitors
1956	21	.....	61,000	.....	.....
1957	39	629,666	116,000	.....	2,114,661
1958	45	927,871	196,000	16,309	3,232,460
1959	55	1,420,180	340,000	50,403	5,127,199
1960	63	1,552,662	421,000	35,778	5,692,978
1961	77	1,725,876	613,000	57,992	6,215,370
1962	82	2,182,116	750,000	46,753	7,822,549
1963	86	2,372,223	840,491	49,372	8,526,443
1964	90	2,549,716	922,632	49,112	9,139,975
1965	89	2,437,988	902,472	53,653	8,875,668
1966*	92	2,738,664	994,787	52,722	9,791,671

ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Lectures	Total
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	217,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	367,292	80,815	10,458	49,235	507,800
1965	19	326,298	81,462	10,515	51,639	469,914
1966*	21	392,403	88,004	11,453	53,161	545,021
Algonquin		267,426	64,404	4,633	22,452	358,915
Nancy Island		25,473	-	-	-	25,473
Presqu'ile		24,000	3,210	1,553	8,473	37,236
Quetico		9,060	3,117	585	2,647	15,409
Rondeau		27,144	no record	895	1,784	29,823
Sibbald Point		19,685	-	-	-	19,685
Inverhuron		19,182	-	-	-	19,182
Sibley		-	3,000	339	2,015	5,354
Lake Superior		-	2,352	489	3,668	6,509
Pinery		-	no record	2,959	11,800	14,759
Other Parks		433	11,921	-	322	12,676

*Preliminary Report.

92 PROVINCIAL PARKS IN OPERATION IN 1966

(Preliminary Report)

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1966	Visitors in 1966
CHAPLEAU						
Five Mile Lake	1,010	Sep 29, 1958	0. Reg. 251/58	87	2,869	4,225
COCHRANE						
Greenwater	10,970	May 21, 1963	0. Reg. 117/63	40	2,492	19,196
Kettle Lakes	2,412	May 21, 1963	0. Reg. 117/63	95	4,944	57,306
Tidewater	172	.....	.....	12	.....	.....
FORT FRANCES						
Caliper Lake	246	Jul 22, 1960	0. Reg. 204/60	90	6,207	29,894
Lake of the Woods	2,711	.....	.....	87	2,195	21,774
Quetico	1,148,800	Apr 1, 1909	Order-in-Council	120	5,314	65,128
GERALDTON						
Blacksand	3,353	Jul 22, 1960	0. Reg. 204/60	168	5,709	21,596
Klotz Lake	210	Jul 22, 1960	0. Reg. 204/60	33	2,875	13,326
MacLeod Lake	200	May 21, 1963	0. Reg. 117/63	54	3,578	68,420
Rainbow Falls	1,422	May 21, 1963	0. Reg. 117/63	175	21,781	72,932
Neys	8,150	Dec 28, 1965	0. Reg. 346/65	110	12,278	58,052
GOGAMA						
Ivanhoe	3,010	Jun 25, 1957	0. Reg. 144/57	143	3,826	27,921
KAPUSKASING						
Nagagamisis	11,878	May 21, 1963	0. Reg. 117/63	80	2,381	9,830
Remi Lake	990	Jun 25, 1957	0. Reg. 144/57	80	4,232	28,489
KEMPTVILLE						
Fitzroy	466	May 21, 1963	0. Reg. 117/63	251	10,324	128,872
Rideau River	170	May 21, 1963	0. Reg. 117/63	191	11,847	216,106
Silver Lake	78	May 21, 1963	0. Reg. 117/63	197	11,461	87,746
South Nation	13	Jul 22, 1960	0. Reg. 204/60	28	3,956	26,745

KENORA

124	Aaron	Sep 29, 1958	0. Reg. 251/58	70	12,070	51,176
395	Rushing River	Sep 29, 1958	0. Reg. 251/58	116	13,315	97,839
265	Sioux Narrows	Jun 25, 1957	0. Reg. 144/57	60	4,951	41,970
862	Blue Lake	Jul 22, 1960	0. Reg. 204/60	100	12,975	26,791

LAKE ERIE

24	Clay Creek	May 21, 1963	0. Reg. 117/63	47	1,875	31,279
205	Holiday Beach	Oct 6, 1958	0. Reg. 254/58	56	4,494	165,197
133	Ipserwash	Jun 24, 1958	Order-in-Council	266	15,888	163,906
848	Long Point	May 3, 1921	(Act-See Above)	327	24,529	225,210
4,523	Pinery	Oct 11, 1957	0. Reg. 229/57	1,125	58,422	552,566
183	Rock Point	Jun 25, 1957	0. Reg. 144/57	47	4,601	21,231
11,450	Rondeau	May 5, 1894	(Act-See Above)	611	33,641	820,603
782	Turkey Point	Apr 21, 1959	0. Reg. 70/59	464	16,645	112,642
103	John E. Pearce	May 21, 1963	0. Reg. 117/63	....	.....	.....
5	Port Bruce .....	.....	.....	....	.....	.....
608	Wheatley .....	.....	.....	88	4,924	84,102

LAKE HURON

27	Craigleith .....	.....	.....	172	13,847	72,237
545	Inverhuron .....	.....	.....	324	19,182	181,895
106	Sauble Falls .....	.....	.....	146	12,058	90,045
555	Point Farms .....	.....	.....	185	8,080	95,397

LAKE SIMCOE

87	Bass Lake	Jun 25, 1957	0. Reg. 144/57	155	18,357	132,249
14	Devils Glen	Dec 28, 1965	0. Reg. 346/65	40	2,745	70,659
742	Earl Rowe	Jun 29, 1964	0. Reg. 161/64	100	6,973	83,141
497	Sibbald Point	May 21, 1963	0. Reg. 117/63	725	33,475	297,986
177	Six Mile Lake	Feb 24, 1958	0. Reg. 42/58	170	14,132	111,592
116	Springwater	Sep 29, 1958	0. Reg. 251/58	....	.....	75,563
174	Wasaga Beach	May 21, 1963	0. Reg. 117/63	....	.....	1,037,941
99	Mara .....	.....	.....	100	6,229	57,860

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1965	Visitors in 1965
LINDSAY						
Darlington.....	380	Oct 30, 1959	0. Reg. 253/59	230	17,515	149,946
Emily.....	58	Jun 25, 1957	0. Reg. 144/57	130	11,549	153,360
Mark S. Burnham.....	101	Jul 26, 1955	0. Reg. 148/55	.....	.....	18,034
Presqu'ile.....	2,170	May 18, 1922	(Act-see Above)	500	32,729	298,878
Serpent Mounds.....	70	Jun 25, 1957	0. Reg. 144/57	130	13,077	143,163
Balsam Lake.....	1,040	.....	.....	125	8,647	-
Ferris.....	152	.....	.....	.....	.....	.....
NORTH BAY						
Antoine.....	23	.....	.....	29	1,191	9,029
Finlayson Point.....	75	May 21, 1963	0. Reg. 117/63	113	9,575	36,000
Marten River.....	1,034	May 21, 1963	0. Reg. 117/63	279	12,809	130,000
Samuel de Champlain...	2,220	.....	.....	224	9,454	50,986
PARRY SOUND						
Grundy Lake.....	6,310	Apr 21, 1959	0. Reg. 70/59	485	27,723	193,665
Oastler Lake.....	49	.....	.....	153	14,421	163,723
Killbear Point.....	3,000	.....	.....	722	28,581	252,810
Mikisew.....	99	Jun 29, 1964	0. Reg. 161/64	123	7,036	60,245
Sturgeon Bay.....	20	Jul 22, 1960	0. Reg. 204/60	87	5,347	28,145
Restoule.....	1,417	May 21, 1963	0. Reg. 117/63	258	3,397	22,878
Arrowhead.....	1,880	.....	.....	100	1,235	5,732
PEMBROKE						
Algonquin.....	1,862,144	May 27, 1893	(Act-see Above)	1,318	77,233	571,614
Carson Lake.....	15	.....	.....	46	3,466	4,800
Driftwood.....	655	May 21, 1963	0. Reg. 117/63	98	6,039	9,566
PORT ARTHUR						
Inwood.....	82	Sep 29, 1958	0. Reg. 251/58	62	13,689	21,198
Sibley.....	57,613	May 21, 1963	0. Reg. 117/63	350	11,575	28,878
Kakabeka Falls.....	838	.....	.....	104	22,483	317,776
Middle Falls.....	11	Jul 22, 1960	0. Reg. 204/60	20	5,263	30,847

SAULT STE MARIE

Pancake Bay	710				288	29,157	97,170
Batchawana	33				....	.....	41,567
Lake Superior	334,006			Jan 13, 1944	315	37,056	134,570
Mississagi	95,360			.....	38	2,987	10,287

SIOUX LOOKOUT

Pakwash	1,507			.....	57	1,438	4,411
Ojibway	6,130			May 21, 1963	68	1,018	6,029

SUDBURY

Fairbank	85				132	11,363	58,857
Windy Lake	293			Jun 25, 1957	76	3,104	102,317
Chutes	239			Apr 4, 1959	70	14,043	103,134
Killarney	84,994			.....	100	3,160	41,556
				Jul 17, 1964			

SWASTIKA

Esker Lakes	7,680				136	3,663	17,553
Kap-Kig-Iwan	681			Jun 25, 1957	64	2,835	16,391
				May 21, 1963			

TWEED

Black Lake	77				200	8,758	69,632
Lake on the Mountain ..	256			May 21, 1963	....	.....	.....
Lake St. Peter	62			Jun 25, 1957	60	3,140	34,884
Outlet Beach	285			.....	400	20,983	414,029
Sandbanks	1,208			May 21, 1963	....	.....	54,590
Bon Echo	14,000			.....	400	18,175	77,272
North Beach	75			.....	....	.....	.....

WHITE RIVER

White Lake	3,980				225	18,457	110,990
Obatanga	34,240			May 21, 1963	84	9,739	36,524
						

TOTAL

	15,934	994,787	9,791,671
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60 PROVINCIAL PARK RESERVE AREAS, 1966

DISTRICT Reserve Area	AREA (Acres)	LOCATIONS
CHAPLEAU		
Sand Shoals	26,780	Peters, Cosens, Topham, Triquet Twps.
COCHRANE		
Pierre-Montreuil	46,000	McQuibban, Swartman Twps.
Long Point Peninsula	18,500	Lake Abitibi
Dana Lake	6,400	Whitesides, Keefer Twps.
Tidewater	2,860	Adjacent to Horden Twp.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	Rainy Lake
Pow-wow Grounds	1,730	Shoal Lake
GOGAMA		
Dividing Lake	2,900	Chester, Invergarry Twps.
GERALDTON		
Purgatory Chutes	100	Pagwachuan River
Steel River	2,700	Twp. 81
Esnagami Lake	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	16,500	Legault, Colter Twps.
Kama Bay	1,750	Twps. 88, 89, 91
Lukinto Lake	2,250	South of O'Meara Twp.
KAPUSKASING		
Nagami Lake	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point	784	North Burgess Twp.
Charleston Lake	885	Landsdowne Twp.
Carillon	1,600	East Hawkesbury
KENORA		
Pipestone	3,530	Manross Twp.
LAKE ERIE		
Selkirk	125	Walpole Twp.
Low Point (Kerr)	266	Dunne Twp.
LAKE HURON		
Cyprus Lake	1,049	St. Edmunds Twp.
LAKE SIMCOE		
Matchedash	6,200	Matchedash Twp.
Methodist Point	2,800	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	133	Scugog Twp.

LINDSAY		
Red Pine Lake	6,580	Sherborne Twp.
Silent Lake	1,700	Cardiff Twp.
Kawartha	3,800	Cavendish, Anstruther Twps.
Gull River	20	Somerville, Laxton Twps.
Wolfe Island	464	Harvey Twp.
NORTH BAY		
Greenwood	23,000	Gillies Limit
		Brigstocke, Best, Banting Twps.
Mashkinonje	2,543	Haddo Twp.
PARRY SOUND		
McDonald Bay	1,100	Gibson Twp.
O'Donnell Point	2,130	Freeman Twp.
Round Lake	24,265	Shawanaga, Ferguson, Burpee Twps.
South Bay	3,936	Nipissing Twp.
Bigwind Lake	5,400	Oakley Twp.
Shawanaga Basin	2,560	Shawanaga, Harrison Twps.
PEMBROKE		
Round Lake	262	Richards Twp.
PORT ARTHUR		
Silver Falls	8,800	Forbes, Fowler Twp.
Kopka Lake	37,300	English Bay, Lake Nipigon
Kashabowie Lake	19,130	Kashabowie Lake
Arrowhead Penn.	850	Northern Light Lake
Inwood	1,075	Inwood Twp.
Eaglehead Lake	750	Eaglehead Lake
Arrow Lake	100	Arrow Lake
SAULT STE MARIE		
Aubrey Falls	6,000	Twp. 4D
Mashagama Lake	8,300	Twp. 4F
SIOUX LOOKOUT		
Sandbar Lake	7,800	North of Skey Twp.
SUDBURY		
Wahnipitae Lake	1,300	Rathbun Twp.
Halfway Lake	58,485	Muldrew, Antrim, Athlone, Morse Twps.
SWASTIKA		
McCann	640	McCann Twp.
TWEED		
McKenzie Lake	1,300	McClure Twp.
Frontenac	8,000	Bedford, Loughborough Twps.
WHITE RIVER		
Kawapitapika Lake	2,800	Leslie, Knowles
Dayohessarah Lake	36,928	66, Cooper, Tedder, Oldum, Hambelton Twps.
TOTAL	513,112	

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A. J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J. M. Taylor was appointed Chief on January 1, 1967.

Personnel Branch is responsible for:-

Recruitment
Recruitment of Professional Staff
Establishments
Junior Ranger Programme

Promotions
Transfers
Job Advertising

Personnel Records
Attendance
Annual Increments
Regular and Probationary Appointments
Separations

Training Programme
Courses
Educational Leave
Grievances
Discipline

Classification
Class Specifications
Job Descriptions
Salary Surveys

Employee Relations

NUMBER OF EMPLOYEES
in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181

*Does not include extra fire fighters.

**Retirements, superannuations and deaths.

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau.....	14	15	23	26	40	46	39	38	35
Cochrane.....	12	25	25	21	26	36	39	45	39	35	24
Fort Frances....	14	16	14	14
Geraldton.....	10	10	10	15	35	24	27	48	59
Gogama.....	10	15	12	21	25	34	43	27	38	36
Kapuskasing.....	8	10	14	12	12	21	32	43	33	28	34
Kenora.....	11	..	..	..	10	..	10	11	25
Lindsay.....	12	15	14	14	25	29	46	..	..	..
North Bay.....	10	13	12	18	21	26	27	21	22	30	38	38	38	48	35
Parry Sound.....	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36
Pembroke.....	12	29	20	40	42	32	32	35	42	51	48	42	34
Port Arthur.....	13	15	11	8	24	13	36
Sault Ste. Marie	..	10	10	11	13	22	20	20	31	37	60	53	75	73	64
Sioux Lookout...	9	12	21	19	..	11	13	13
Sudbury.....	..	7	15	13	20	26	16	14	14	23	24	42	76	51	46
Swastika.....	8	28	32	24	24	27	31	11	43	24	24
Tweed.....	9	21	19	18	15	24	29	32	26	..	..	..
White River.....	12	11	22	23	28	42	62	39	49
TOTAL.....	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966
Chapleau.....	37	36	69	88	112	124	134	123
Cochrane.....	24	25	36	33	57	67	69	90
Fort Frances.....	23	12	12	24	49	42	45	65
Geraldton.....	64	46	60	55	94	113	115	116
Gogama.....	39	37	47	35	56	67	65	86
Kapuskasing.....	40	36	36	39	62	72	69	65
Kenora.....	26	13	12	13	39	45	47	89
Lake Huron.....	..	..	..	..	..	..	..	24
North Bay.....	38	26	36	34	73	113	121	113
Parry Sound.....	37	36	46	55	93	137	139	136
Pembroke.....	34	24	33	37	71	70	70	69
Port Arthur.....	39	24	25	36	132	137	135	130
Sault Ste. Marie.	63	67	64	65	119	136	141	136
Sioux Lookout.....	15	13	..	23	47	49	54	76
Sudbury.....	39	49	48	57	113	138	140	137
Swastika.....	26	24	48	40	98	116	113	114
White River.....	49	35	47	47	85	93	94	89
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of November 22, 1966

GROUPS	Head Office	Field	Total
Agricultural Technicians.....	3	3	6
Air Engineers.....	14	11	25
Biologists.....	18	40	58
Cartographic Staff.....	5	0	5
Clerks.....	190	168	358
Commercial Artists.....	3	0	3
Communications Technicians...	11	40	51
Conservation Officers.....	6	232	238
Departmental Accountants.....	14	29	43
Draughtsmen.....	37	1	38
Drivers.....	4	28	32
Economists.....	2	0	2
Engineering Staff.....	5	0	5
Executive Officers.....	12	1	13
Fish Culturists.....	0	16	16
Food Service Staff.....	8	4	12
Foresters.....	48	144	192
Forestry Technicians.....	9	633	642
Instructors.....	9	0	9
Legal Officers.....	3	0	3
Maintenance Staff.....	15	64	79
Mechanics.....	0	48	48
Miscellaneous Staff.....	9	3	12
Personnel Officers.....	10	0	10
Photography Staff.....	13	0	13
Pilots.....	18	19	37
Public Relations Officers....	6	1	7
Purchasing Officers.....	3	0	3
Rangers.....	4	182	186
Research Scientists.....	26	7	33
Research Technicians.....	5	1	6
Safety Instruction Officers..	2	8	10
Senior Administrative Staff..	33	0	33
Stationary Engineers.....	10	1	11
Stenographic Staff.....	106	117	223
Surveyors.....	7	0	7
TOTAL.....	668	1,801	2,469

SUMMARY OF CLASSIFICATIONS (Continued)

		Head Office	Field	Total
FORESTRY TECHNICIANS	Class 7	0	8	8
	Class 6	5	40	45
	Class 5	0	76	76
	Class 4	1	198	199
	Class 3	0	97	97
	Class 2	2	164	166
	Class 1	1	50	51
CONSERVATION OFFICERS	Class 7	0	2	2
	Class 6	1	12	13
	Class 5	1	14	15
	Class 4	1	26	27
	Class 3	0	29	29
	Class 2	3	136	139
	Class 1	0	13	13

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of August 27, 1965)	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	6,380	640	7,020	6,380	640	7,020
Cochrane.....	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Gogama.....	5,931	446	6,377	5,931	446	6,377
Kapuskasing.....	17,776	750	18,526	17,776	750	18,526
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,498	217	2,715
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	8,066	3,380	11,446	7,923	3,321	11,244
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	7,662	4,298	11,960	6,538	1,243	7,781
Swastika.....	5,270	291	5,561	5,270	291	5,561
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	6,400	3,051	9,451	6,400	3,051	9,451
TOTAL.....	344,092	68,490	*412,582	269,271	43,495	312,766

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet.

(SEE MAP OF DISTRICTS, PAGE 141)

ASSISTANT DEPUTY MINISTER

R. D. K. ACHESON

REGIONAL DIRECTORS

L. RINGHAM-----	NORTH-WESTERN Forestry Building, 14 North Algoma Street, Port Arthur. Telephone 345-6543
A. J. HERRIDGE-----	NORTH-WESTERN 172 Elm Street West, Sudbury. Telephone 674-3151
D. R. WILSON -----	SOUTHERN R. R. 2, Maple. Telephone Toronto 884-8141-212

REGIONAL FORESTERS

T. W. HUESTON -----	NORTHERN Winter: Box 1259, Huntsville. Telephone 789-2730 Summer: Algonquin Park Telephone 633-5572
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CHAPLEAU FOREST DISTRICT

	Telephone
OFFICE: Corner of Lorne and Beach, Chapleau	864-1710
Radio Room...after hours	864-1711
Chief Ranger..after hours	864-1712
Air Service ...after hours	864-1713
District Forester	*J.R. Keddie 864-1025

SUPERVISORS

Accounts	H. Tzoelker	864-1687
Fish and Wildlife	V. Crichton	864-1710
Biologist	R. Lewies	864-1231
Forest Protection	*J.E. Anderson.....	864-1843
Lands	W.E. MacPhail	864-1146
Parks	W.E. MacPhail	864-1146
Timber	*C.R. Groves	864-0854
Scaling	L.C. Mantle	864-0297

CHIEF RANGERS

Chapleau	*L.T. Cecile	864-1710(1453)
Biscotasing	W.P. O'Donnell	866(823)

DEPUTY CHIEF RANGERS

Chapleau	F.R. Bergin	864-1710(1842)
Chapleau	L.G. Woods	864-1710(1685)
Chapleau	G.F. McAuley	864-1710(1535)
Chapleau	H.G. Kohls	864-1710(0108)
Sultan	G. Dingee	875(862)
Missanable	H.G. Kohls	834

NURSERY

Chapleau	M.E. Hawkins	864-1717(1547)
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PROVINCIAL PARK

Five Mile Lake	A. Simmons	Chapleau
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Area Code: 705

*Duty Officers

COCHRANE FOREST DISTRICT

Telephone

OFFICE: 140 4th Ave., Cochrane 272-4365
Duty Officers 272-4886

District Forester L. H. Eckel 272-4365(5056)

SUPERVISORS

Accounts F.W. Barnes 272-4365
Fish and Wildlife S. Nodwell 272-4365(4869)
Forest Protection *G.P. Elliott 272-4365(4492)
Assistant *J.R. Russell 272-4365(5010)
Lands H.E. Wright 272-4365(5207)
Parks D.E. Stewart 272-4365(5233)
Timber J.R. McKnight 272-4365(4503)
Scaling J.H. Butts 272-4365(5291)

CHIEF RANGERS

Cochrane *A.C. Hutchinson 272-4892(5326)
Timmins W.R. Doyon 264-1262(1678)
Wade Lake R. Woodall Iroquois Falls 414

DEPUTY CHIEF RANGERS

Cochrane *A.F. Popineau 272-4892(4130)
Cochrane W.J. Froude Frederickhouse 1r2
Cochrane A.E. Ross 272-4892(4997)
Timmins J.D. Bond 264-1262(267-3574)
Timmins K.G. Wiskin 264-1262(0829)
Timmins E. Everley 264-1262(5086)
Timmins R.H. Wagner 264-1262(2669)
Smooth Rock Falls K.C. Veitch 338-2771(2614)
Moosonee L. Mahon 336-2241(2675)

PROVINCIAL PARKS

Greenwater Cochrane 272-4892
Kettle Lakes P. Baxter .Connaught 3121(235-5377)
Charles Island Moosonee

Area Code. 705

*Duty Officers.

FORT FRANCES FOREST DISTRICT

Telephone

OFFICE: 922 Scott Street, Fort Frances 274-5337

District Forester *R. A. Balkwill 274-6293

SUPERVISORS

Accounts	A. R. Taylor	274-9406
Fish and Wildlife	D. J. D'Agostini	274-6695
Biologist	A. Stalus .....	.....
Forest Protection	*R. V. Brady	274-9818
Lands and Parks	L. L. Rawn	274-6176
Timber	E. Markus	274-3991
Scaling .....		.....

CHIEF RANGERS

Fort Frances	J. A. Murphy	274-5704
Atikokan	F. Dustak	28568

DEPUTY CHIEF RANGERS

Fort Frances	A. J. Korpi	274-6522
Fort Frances	S. V. Roberts	274-5680
Fort Frances (Rainy Lake)	F. R. Dumeney	274-6534
Atikokan	M. J. Kaliska	28562
Rainy River	S. A. Kellar	852-3360

UNIT FORESTER

Atikokan	A. G. Dougall	6266
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PROVINCIAL PARKS

Caliper Lake	B. Houck One-Sided Lake	484-5392
Lake of the Woods	D. McGregor
*Quetico	C. R. Williams ... Atikokan	28563

Area Code: 807

*Duty Officers.



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS, REGIONS
AND DIRECTORATES**
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FORESTS

LEGEND

REGIONAL AND
DIRECTORIAL BOUNDARIES

DISTRICT BOUNDARIES

LIMIT OF FIRE DISTRICT

NORTHERN LIMIT OF AREA
UNDER ORGANIZED PROTECTION

DISTRICT OFFICE

★ Gogama



GERALDTON FOREST DISTRICT

Telephone

OFFICE: Beamish Avenue, Geraldton	854-1030
District Forester	*G.E. MacKinnon 854-1649

SUPERVISORS

Accounts	B.J. Scalzo	854-1030
Fish and Wildlife	E.H. Stone	854-1030
Biologist	B.H. Gibson	854-1030
Forest Protection	*M.J. Morison	854-0466
Lands and Parks	A.F. Parker	854-1030
Timber	W.K. Fullerton	854-1030
Scaling .....	.....	854-1030

CHIEF RANGERS

Geraldton	P. Bellavance	854-1600
Longlac	R. W. Koski	876-2351
MacDiarmid	J.P. King	1r2
Pays Plat	B.J. Lapenskie	83J2
Nakina	J.K. Cleaveley.....	80

DEPUTY CHIEF RANGERS

Geraldton	M. Wasykiw	854-1600
Geraldton	E.D. Turner	854-1600
Longlac	M. Linard.....	876-2351
Longlac	A. Hoshino	876-2351
MacDiarmid	J.W. Auger	1 R 2
MacDiarmid	B.A. Norris.....	1 R 2
Pays Plat.....	K.E. Bowlier	83J2
Nakina	T.B. Scott	80

PROVINCIAL PARKS

Blacksand	J.P. King	MacDiarmid 1r2
Klotz Lake	R.W. Koski	Longlac 876-2351
MacLeod Lake	P. Bellavance ..	Geraldton 854-1600
Neys	B.J. Lapenskie	Pays Plat 83J2
Rainbow Falls	B.J. Lapenskie	Pays Plat 83J2

Area Code: 807

* Duty Officers.

GOGAMA FOREST DISTRICT

		Telephone	
		Office	Home
OFFICE: Gogama		96	...
District Forester	I. B. Earl	96	37

SUPERVISORS

Accounts	J. D. Petrony	96	106
Fish and Wildlife	D. J. Gawley	96	71
Forest Protection	*W. G. Taylor	96	13
Lands and Parks	E. N. Arbuckle	96	186
Timber	*L. J. Forcier	96	98
Scaling	E. Dew	96	7

CHIEF RANGERS

Gogama	*C. Dionne	84	94
Foleyet	*J. R. Languerand	98	70

DEPUTY CHIEF RANGERS

Gogama	J. R. Morin	84	131
Gogama	R. A. Beauchamp	84	60
Gogama	D. S. Stewart	84	137
Foleyet	*W. E. Belisle	98	62
Foleyet	J. E. L. Morin	98	89
Foleyet	G. H. Herron	98	154

PROVINCIAL PARK

Ivanhoe	J. R. Languerand		
	Foleyet	98	70

Area Code: 705

*Duty Officers.

KAPUSKASING FOREST DISTRICT

Telephone

OFFICE: Kapuskasing..... (705) 335-2231

District Forester..... *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone	335-3360
Fish and Wildlife	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands	*A. J. McGoey	335-5062
Parks	A. J. McGoey	335-5062
Timber	*J. R. Oatway	335-3367
Scaling	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	J. H. Clavelle	335-2187
Hearst	G. L. Jones	362-4356
Hornepayne	L. E. Grife	(807) 125

DEPUTY CHIEF RANGERS

Kapuskasing	J. Albert	Fauquier 3351
Kapuskasing	J. G. Duhaime	Opasatika 3341
Kapuskasing	D. C. Jones	335-5414
Hearst	G. O. Koistinen	362-4853
Hearst	F. J. Labonte	Mattice 4480
Hearst	J. H. Thompson	362-4981
Hornepayne .....	.....	.....
Hornepayne	D. O'Grady	(807) 491

PROVINCIAL PARKS

Nagagamisis .....	.....	Hornepayne 90
Remi Lake	J. L. Sigouin	335-2321

Area Code: 705

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Telephone

OFFICE: Kemptville 258-3413
Nights, Holidays 258-2298

District Forester..... *W. A. G. Thurston..... 258-3335

SUPERVISORS

Accounts	F. S. Bumstead.....	258-2483
Sr. Conservation Officer..	D. O. Sylvester.....	258-2280
Forest Protection	*E. A. Green.....	258-3209
Assistant	*D. D. White	258-2780
Lands and Parks	E. A. Green.....	258-3209
Timber.....	P. E. Anslow.....	258-2408

DEPUTY CHIEF RANGER

Lanark..... D. Kennedy.....Innisville 6r21

ZONE FORESTERS

Kemptville.....	M. Schaefer	258-3413
Kemptville.....	A. J. Campbell .....	.....
Alexandria .....	.....	322
Perth	U. W. Lloyd.....	Hopetown 2r4

NURSERY

Kemptville..... *H. H. de Vries 258-2323

PROVINCIAL PARKS

Fitzroy.....	F. W. Irwin ..	Arnprior 623-5159
Rideau River.....	.....	Kemptville 258-2817
Silver Lake.....	C. Dawson.....	Maberly 9r31
South Nation .....	.....	Plantagenet 673-5072

Area Code: 613

*Duty Officers

KENORA FOREST DISTRICT

		Telephone	
		Office	Home
OFFICE: 936 Park Street, Kenora.....	468-9841	.....
District Forester ... *W. H. Charlton	468-9841		468-6284

SUPERVISORS

Accounts.....	G. C. McChesney	468-9841	468-8190
Fish and Wildlife ...	D. M. Brooks.....	468-9841	468-9174
Forest Protection ..	*H. R. Redding	468-9841	468-7548
Lands	J. A. Wynd.....	468-9841	548-4094
Parks	H. J. Featherstone...	468-9841	468-5450
Timber.....	R. Burgar	468-9841	468-9137
Scaling	G. C. Mackey.....	468-9841	547-2347

CHIEF RANGERS

Kenora	*J. G. Minor	468-6600	468-7139
Minaki	N. B. Pigeon	8	8-2
Dryden	L. E. Fleguel	223-2341	223-6644

DEPUTY CHIEF RANGERS

Kenora	A. J. Bull.....	468-6600	468-6233
Kenora	W. Neculeac	468-6600	548-4219
Kenora	A. W. Stone	468-6600	468-5106
Minaki .....	.....	.....	.....
Dryden	M. L. Frenette	223-2341	938-6497
Dryden	W. O. Hansson	223-2341	223-2521
Dryden	A. E. Lundmark.....	227-2660	938-6316
Dryden	R. J. Kincaid	226-5668	223-6923
Sioux Narrows.....	H. D. Morrison.....	180	180
Vermilion Bay.....	.....	227-2660	

PROVINCIAL PARKS

Aaron	M. L. Frenette	938-6312	937-5386
Blue Lake	M. L. Frenette	227-2601	937-5386
Rushing River.....	A. J. Bull	548-9902	468-6233
Sioux Narrows	A. J. Bull .....	.....	468-6233

Area Code: 705

*Duty Officers

LAKE ERIE FOREST DISTRICT

OFFICE: Aylmer West	Aylmer	773-9241
District Forester ...	*J. W. Lockwood	773-9141(9194)

SUPERVISORS

Accounts	G. B. Fewings	773-8253
Fish and Wildlife ...	R. M. Christie	773-3375
Lands and Parks....	*K. A. Cameron	773-9828
Timber	*E. F. Johnston.. St. Thomas...	631-8431

ZONE FORESTERS

London	J. A. Fingland	438-7126
Dunnville	D. A. Scott	774-5811

NURSERY

St. Williams	W. H. Edwards Port Rowan	586-3863
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RESEARCH STATION

Fisheries Research Station Dr. R. G. Ferguson Wheatley	825-4171
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FISH HATCHERY

Normandale Fish Hatchery J. W. Anderson Simcoe	426-3142
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PROVINCIAL PARKS

Holiday Beach.....	J. A. Bass.....Amherstburg....	736-3772
Ippewash.....	J. A. Matheson Thedford.....	296-4652
Clay Creek.....	J. A. Matheson "	"
Long Point.....	T. L. Beck....Port Rowan	586-2133
Pinery.....	M. F. Jackson. Thedford.....	296-4462
Port Bruce.....	District Office. Aylmer	773-9241
Rock Point.....	D. A. Scott....Dunnville	774-4242
Rondeau	J. H. Lever...Ridgetown.....	674-2137
John E. Pearce....	J. H. Lever ... "	"
St. Williams	St. Williams Nursery, Port Rowan	586-3863
Turkey Point.....	W. G. Strowger Simcoe	426-3239
Wheatley.....	R. D. Townsend Wheatley	825-4761

Area Code: 519

*Duty Officers.

LAKE HURON FOREST DISTRICT

Telephone

OFFICE: Hespeler	658-9356
District Forester	F. L. Hall 623-3723

SUPERVISORS

Accounts	H. W. Makcrow	658-4015
Fish and Wildlife	D. R. Johnston	621-1576
Biologist	W. D. Mansell	824-6125
Timber, Forest Prot.	J. L. Mullen	745-7531
Lands and Parks	R. W. Jordan	822-1967

ZONE FORESTERS

Hespeler (Galt Zone).....	R. C. A. Gilbert	621-9383
Hespeler (Guelph Zone) ...	N. R. Oldfield	658-4526
Stratford	F. Vanser	
Owen Sound (Bruce County)	C. F. Coons	376-1309
Owen Sound (Grey County).	V. W. Fisk	387-9391

FARM FORESTER

Owen Sound	J. F. W. Gourlay	376-7586
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PROVINCIAL PARKS

Craigleith	A. MacDonald. Collingwood	445-4467
Inverhuron	G. E. Brown Tiverton	69r6
Point Farms.....	R. Brigden..... Goderich	524-7124
Sauble Falls	S. H. Siegrist ....Hepworth	935-2354

Area Code: 519

LAKE SIMCOE FOREST DISTRICT

Telephone

OFFICE: R. R. 2, Maple..... (416) Toronto 884-8141
Duty Officers884-8142

District Forester.....*A. W. Leman..... ext 218(884-1787)

SUPERVISORS

Accounts G. C. Bragg..... ext 215
Fish and Wildlife R. H. Trotter ext 211
Biologist..... A. A. Wainio ext 211
Lands W. M. Mitchell ext 224
Parks H. V. Berg..... ext 222
Timber.....*D. J. Vance ext 221(884-6390)
Forest Protection D. J. Vance ext 212(884-6390)

ZONE FORESTERS

Maple, Richmond Hill...*J. D. Griffiths..... ext 220(884-7541)
Orangeville R. M. Monzon (519) 941-4370
Angus W. S. McNeice..... (705) 449-5312

FARM FORESTER

Maple*R. N. Staley..... ext 213(727-5919)

UNIT FORESTER

SRMU, Coldwater..... G. R. Lane..... (705) 686-3342

DEPUTY CHIEF RANGER

Severn..... H. D. Cochrane..... (705) 686-3342

TREE SEED PLANT

Angus W. E. Edwards (705) 449-5311

NURSERY

Midhurst..... J. M. Halpenny..... (705) 728-2846

PROVINCIAL PARKS

Bass Lake R. G. Ellis..... (705) 326-7054
Devils Glen L. O'Dell (705) 429-2516
Earl Rowe W. Braden..... (705) 435-7291
Mara (705) 326-4451
Sibbald Point..... J. T. Linklater..... (416) 722-5182
Six Mile Lake..... B. W. Whalen (705) 686-3342
Springwater..... C. D. Jackson (705) 728-7393
Wasaga Beach..... L. O'Dell..... (705) 429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Telephone

OFFICE: Ontario Government Building, Lindsay..... 324-6121

District Forester..... *A. E. Walroth 324-6121 L2

SUPERVISORS

Accounts	H. C. Wallwin	324-6121 L6
Fish and Wildlife	*P. W. Swanson	324-6121 L26
Forest Protection.....	*B. B. Benson	324-6121 L12
Lands	*G. Simons	324-6121 L14
Parks	*P. R. Davidson	324-6121 L10
Timber.....	*R. A. Lockhart	324-6121 L9
Scaling	*W. E. Everett	324-6121 L8

CHIEF RANGERS

Minden	P. J. Cassidy.....	219W
Gooderham.....	W. Sarginson	Haliburton 619r4

DEPUTY CHIEF RANGERS

Minden	M. J. O'Neill	219W
Gooderham.....	H. N. Bates	Haliburton 619r4
Apsley	J. M. Scott.....	656-4361
Haliburton	S. A. Shields	387W

UNIT FORESTERS

Lindsay.....	A. P. Matiece	324-6121
Lindsay.....	B. G. Cross	324-6121
Orono	L. J. Haas	
Brighton.....	R. W. Tippett	475-2204

FARM FORESTER

Lindsay	P. H. Rennick	324-6121
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NURSERY

Orono	W. R. Bunting	983-9147
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HATCHERIES

Codrington (Fish).....	G. Groondahl	Brighton 475-2512
Codrington (Pheasant)...	E. R. Mound	Brighton 475-0692
Deer Lake (Fish).....	J. M. Hunt	Havelock 778-3391

PROVINCIAL PARKS

Emily	R. J. White	Omemee 799-5170
Balsam Lake.....	R. M. Duffin	Coboconk 454-3252
Darlington	J. A. Robertson	Oshawa 723-4341
Presqu'ile	O. G. Irwin	Brighton 475-2204

Area Code: 705

*Duty Officers.

NORTH BAY FOREST DISTRICT

Telephone

OFFICE: 222 McIntyre St. W., North Bay 474-5550
(Direct line from Head Office)

District Forester. *W.B.M. Clarke 472-7545

SUPERVISORS

Accounts	J.E. Rogers	472-8426
Fish and Wildlife.	* J.W. Rousom	474-4808
Forest Protection	*F.M. Miller	474-5716
Lands	W.G. Turnbull	472-1744
Parks	A.D. Tremblay	474-5712
Timber	S.R. Hamilton.	474-
Scaling	R.E. Chornopski	474-8493

CHIEF RANGERS

North Bay.	*H.N. Whalen.	474-5645
Temagami	J.E. Rumney.	569-2231

DEPUTY CHIEF RANGERS

North Bay.	*J.A. Bedard	472-6056
North Bay East.	R.H. Smith	472-8192
North Bay West.	T.M. McCormick	472-4487
Champlain	C.H. Laberge . Mattawa	744-2276
Marten River	H.J. Edmundson.	4r3
Haddo. . . . .	. . . . . Monetville	898-2441
Latchford.	E.E. Lafleur.	914
Temagami	H.G. Smith	569-8481
Temagami	F.E. Cannon.	569-3591
Temagami	T.H. Hyatt	569-7486

PROVINCIAL PARKS

Antoine . . . . .	. . . . . Mattawa	744-2251
Finlayson Point	B.M. Buckland	
	. . . . . Temagami	569-2561
Marten River.	H.J. Edmundson.	4r3
Samuel de Champlain.	C.H. Laberge . Mattawa	744-2276

*Duty Officers.

PARRY SOUND FOREST DISTRICT

OFFICE: 6 Miller Street, Parry Sound 746-2141

District Forester *M. A. Adamson 746-2839

SUPERVISORS

Accounts	G. F. Walter	746-2389
Fish and Wildlife	*C. W. Douglas	746-8622
Sr. Conservation Officer ..	*J. A. Macfie	746-8330
Forest Protection	*D. Burns	746-2672
Lands	T. H. Crowell	746-5513
Parks	W. R. Peck	746-8808
Timber	W. A. Perrin	746-2479
Scaling	A. J. Tracy	746-8309

CHIEF RANGERS

Parry Sound	*J. A. Shalla	746-5541(9815)
Powassan	J. L. Hamill	724-2640(2837)
Bracebridge	J. A. Simpson ..	645-4081(687-2519)

DEPUTY CHIEF RANGERS

Parry Sound	J. M. McEwen ..	McKellar 17r22
Powassan	E. R. Brooks.	Trout Creek 723-5361
Bracebridge	M. Salt	645-4607
Ardbeg	R. J. Simms.	Parry Sound 746-9881
Dorset	J. S. Booker	766-2212(2253)
Byng Inlet (Britt)	M. C. Kennedy	383-2361(2361)
Loring	R. F. Kimberley	757-2040(2168)

ZONE FORESTERS

Parry Sound	J. Strickland	746-2141
Powassan	L. A. Wynla	724-2640

PROVINCIAL PARKS

Grundy Lake	F. Irwin .....	.....
Killbear Point	R. Brookland	Nobel 342-5492
Mikisew	A. White	South River 386-2271
Oastler Lake	G. McRoberts...	Orrville 378-2202
Restoule	W. Davis	529-5707
Sturgeon Bay	D. Stanley.	Pointe au Baril 366-2251

*Duty Officers.

PEMBROKE FOREST DISTRICT

	Telephone
OFFICE: 162 Agnes Street, Pembroke	732-3661
Duty Officers.....	732-3664
District Forester	*F. E. Sider
	735-5718

SUPERVISORS

Accounts	G. N. McGeachy.....	732-3661
Fish and Wildlife	H. E. Deedo.....	732-3661
Biologist	M. L. Wilton.....	732-3661
Forest Protection	*J. K. K. Legris.....	735-6396
Lands	J. Orme	732-3661
Parks	J. E. Collard	732-3661
Timber	*D. E. Gage.....	732-8864
Construction	J. A. Hindman	732-3661

CHIEF RANGERS

Pembroke.....	*R. N. Cousineau....	732-3664(4106)
Whitney.....	H. W. Hanes.....	637-2780
Stonecliffe	F. Mitchell.....	586-2604

DEPUTY CHIEF RANGERS

Pembroke	M. I. Mantifel.....	732-3664
Pembroke	D. F. Palubiski	732-3664
Whitney	M. L. Doney	637-2780
Whitney	W. A. Lentz	637-2780
Whitney	S. E. Cameron	637-2780
Whitney	K. H. Moore	637-2780
Stonecliffe	R. C. Bilsborrow.....	586-2604
Stonecliffe	V. I. Kuiack	586-2604
Achray	A. E. Prange .....	.....
Achray	S. K. Rowe .....	.....
Kiosk	W. D. Christie	841
Round Lake	C. R. Buske.....	Killaloe 632R13

ZONE FORESTERS

Pembroke .....	.....	732-3661
Pembroke	C. R. Gray	732-3661
Pembroke	L. S. McCoy	732-3661
Pembroke	W. W. Wahl.....	732-3661
Pembroke Farm Forester .	L. C. Scales	732-3661

PROVINCIAL PARKS

Algonquin.....	T. W. Hueston.....	633-5572(5542)
Carson Lake .....	.....	Barry's Bay 131V3
Driftwood.....	.....	Stonecliffe 586-2604

Area Code: 613

*Duty Officers.

PORT ARTHUR FOREST DISTRICT

Telephone

OFFICE: Forestry Building,
14 North Algoma Street, Port Arthur 345-6543

District Forester *W. L. Sleeman 622-7502

SUPERVISORS

Accounts	J. D. Chadwick	345-6543
Fish and Wildlife	C. A. Elsey	344-0501
Biologist	H. R. Timmerman	344-4968
Forest Protection	*F. M. Dodds	344-5417
Assistant	*	
Lands	W. H. Jarvis	345-6543
Parks	E. Diamond	345-6543
Timber	J. F. Flowers	345-6543
Scaling	A. G. Strey	345-6543

CHIEF RANGERS

Port Arthur	*S. O. Russell	344-8157
Armstrong	A. A. Gordon	42
Shebandowan	G. C. Murray	926-2861

DEPUTY CHIEF RANGERS

Port Arthur	V. Hansen	
Armstrong	G. J. Frenette	
Armstrong	R. D. Killer	
Shebandowan	J. B. Monteith	
Shebandowan	W. M. Pennock	
Fort William	N. J. Small	
Upsala	L. W. Reid	
Nipigon	J. R. Morton	

NURSERY

Fort William		
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PROVINCIAL PARKS

Inwood	A. Van Eck	
Kakabeka Falls	G. Whitefield	623-0176
Middle Falls	T. Hill	Pigeon River 1r23
Sibley		

Area Code: 807

*Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Telephone

OFFICE: Airdrome Building, Sault Ste. Marie 949-1231
 After hours 949-1234
 District Forester *J. S. Ball..... 253-8564

SUPERVISORS

Accounts	G. J. Murray.....	254-3847
Fish and Wildlife	C. A. Lewis.....	253-3442
Biologist.....	N. R. Payne	253-9747
Forest Protection	*W. H. Forman	949-3572
Fire Duty Officer.....	*E. E. Murphy	949-9359
Lands	J. M. Small	253-6933
Parks	G. M. Connell.....	785-3458
Timber.....	*W. C. Stevens.....	.....
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie.....	C. E. Tregonning	253-3478
Blind River	J. A. Huppe.....	256-7166
Lake Superior.....	E. M. Montgomery	856-4211

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	W. J. Lovering.....	849-2404
Blind River	H. J. Stoneman	356-2655
Kirkwood	D. W. Hemphill, Thessalon	842-3130
Kirkwood	I. E. Seabrook . Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Red Rock	G. N. Gibson, Wawa	856-7051
Pancake Bay	R. H. Gemmill Batchawana	2317
Mount Lake	G. R. Murray. Blind River	356-7554
Ranger Lake	A. R. McClelland Desbarats	782-6704
Elliot Lake	C. J. Osborne	848-2741
Agawa.....	F. E. Senecal .. Wawa, Agawa Bay	312
Peshu Lake	C. D. Vaughan, Echo Bay.	37R2

KIRKWOOD MANAGEMENT FOREST

Little Rapids, Thessalon.....

PROVINCIAL PARKS

Batchawana	R. H. Gemmill, Batchawana	2317
Lake Superior.....	F. E. Senecal Wawa, Agawa Bay	312
Mississagi.....	C. J. Osborne Elliot Lake	848-2741
Pancake Bay	R. H. Gemmill, Batchawana	2317

Area Code: 705

*Duty Officers.

SIoux LOOKOUT FOREST DISTRICT

Telephone

OFFICE: 18 Fourth Avenue, Sioux Lookout.....	737-1140
District Forester *R. A. Baxter	737-2261
Assistant *J. E. Barnes	737-3620

SUPERVISORS

Accounts	D. W. Munch	737-2892
Fish & Wildlife.....	C. E. Perrie	737-1562
Biologist	D. A. Hagan.....	737-3459
Biologist	G. L. Penney.....	737-3742
Forest Protection.....	*E. W. Bouchey	737-3622
Lands & Parks	E. Fraehlich.....	737-2953
Timber.....	J. A. Waddell.....	737-1456
Management Forester.....	R. M. McKendry	737-1530
Management Forester.....	J. Pohanka	737-1530
Management Forester.....	J. H. Sellers	737-1033
Scaling	K. A. Alexander	737-1530

CHIEF RANGERS

Sioux Lookout.....	G. M. Fenelon.....	737-1140(1730)
Red Lake.....	D. R. Williams	475(22)
Pickle Lake	R. Paterick	3111(4302)
Ignace	F. R. Nicoll	934-2233(2449)

DEPUTY CHIEF RANGERS

Sioux Lookout	G. A. Baverstock	737-1140(1229)
Sioux Lookout	C. W. Clark	737-1140(3099)
Sioux Lookout	J. W. Lyon	737-1140(2133)
Sioux Lookout	S. A. Sprager	737-1140(1779)
Red Lake	A. R. Larson.....	475(755)
Red Lake	W. Davenport	474(388J)
Red Lake	R. Schroeder.....	475
Pickle Lake	I. Lawson	3111(3471)
Ignace	D. R. Fortner	934-2233

PROVINCIAL PARKS

Pakwash	R. Williams.....	.....
Ojibway.....	G. Fenelon .....	.....

Area Code: 705

*Duty Officers.

SUDBURY FOREST DISTRICT

Telephone

OFFICE: 172 Elm Street West, Sudbury..... 674-3151
(Direct line from Head Office)

District Forester..... *G. A. Hamilton..... 674-1503

SUPERVISORS

Accounts	G. Jennings	673-1973
Fish and Wildlife	C. Bibby	675-7815
Biologist	D. I. Gillespie	674-3151
Forest Protection	*L. G. Ridsdill	566-2384
Fire Control Officer	*W. A. Humphrey	969-2400
Lands	A. S. Currie	675-8402
Parks	L. R. Davey	673-1012
Timber	H. Henry	566-0248
Scaling	G. Munro	853-4490

CHIEF RANGERS

Sudbury.....	*W. Wetow	673-7458
Skead	V. Bragg	969-2361
Espanola	E. Morin	869-2075

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	D. R. Hand	969-4019
Skead	U. A. Penttinen	969-2400
Skead	A. T. Proulx	969-2503
Espanola	W. Piche	869-1675
Massey	F. A. Hansson ... Spanish	844(114W)
Windy Lake	D. H. Kohls	966-2315
Jamot	L. Myllynen	857-2004

PROVINCIAL PARKS

Chutes	F. A. Hansson .. Spanish	884 (114W)
Fairbank	R. McLeod	
Killarney	J. Sarginson	
Windy Lake	D. H. Kohls	966-2315

Area Code: 705

*Duty Officers

SWASTIKA FOREST DISTRICT

Telephone

OFFICE: Swastika	Kirkland Lake	642-3222
District Forester.....	*J. D. Hughes	567-5604
Acting District Forester..	A. H. Peacock** .....	.....

SUPERVISORS

Accounts	H. Michiel	567-7548
Fish and Wildlife	D. Waldriff	568-8712
Biologist	J. F. Gardner	642-3489
Forest Protection	*L. L. Bronson	567-4708
Lands	J. McDougall	567-4732
Parks	H. Mattson	567-4054
Timber	A. H. Peacock	567-8766
Timber (Acting)	G. Brown**	567-6983
Scaling	F. Thib..... Englehart	544-2136

CHIEF RANGERS

Swastika	*L. E. St. Pierre	642-3211(567-4673)
Matheson	V. L. Wilson	119(399)
Elk Lake	J. A. Moore	28(85)

DEPUTY CHIEF RANGERS

Swastika West.....	E. C. Borden	642-3211(3420)
Swastika East	M. C. Mitchell... ..	642-3211(544-7619)
Matheson West	A. A. Peever	119(421)
Matheson East	G. Cahill	119(179)
Elk Lake	W. E. Bond	28(53-B)
Matachewan.....	D. W. Butler	28
Englehart	L. J. Wickware	544-2331(2452)
Larder Lake	W. B. Hill	165(429)

NURSERY

Swastika	K. H. Reese	642-3339
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FISH HATCHERY

Hill Lake	P. Graf	544-2834
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PROVINCIAL PARKS

Esker Lakes	O. Ranta	642-3222
Kap-Kig-Iwan	R. L. Hack ... Englehart	544-2050

Area Code: 705

*Duty Officers.

**Until May 15, 1967

TWEED FOREST DISTRICT

Telephone

OFFICE: Municipal Bldg., Metcalfe St., Tweed 478-2330

District Forester..... *N.D. Patrick 478-2425

SUPERVISORS

Accounts	J. A. Vance	478-3022
Fish and Wildlife	R. E. Whittfield	478-2513
Biologist	W. F. Cheshire.....	478-3437
Forest Protection.....	*B. T. Dunne	478-2906
Lands	L. G. Rowson	478-2527
Parks	*W. H. Cantelon	478-3111
Timber.....	*C. J. Heeney	478-5683
Scaling	W. F. Caverley.....	.....

CHIEF RANGERS

Tweed	J. J. Shalla	478-2338(2641)
Dacre	G. M. Samells ...	649-2218(432-2602)
Bancroft.....	O. Goodman	47(989)
Napanee	E. W. Ferguson.....	354-4766(3083)

DEPUTY CHIEF RANGERS

Tweed	D. Mumford.....	478-2338(2208)
Dacre	J. J. Windle	649-2218(432-5256)
Bancroft.....	E. Card	47(298)
Bancroft.....	J. I. McKenzie	47
White Lake	H. E. Clark	335-2115
Plevna	W. Gorr.....	38(7J)
Green Lake.....	.....	.....
Palmer Rapids	R. Musclow	7(31)

ZONE FORESTERS

Tweed	W. W. Hiscock	473-2538
Dacre	W. H. Collins ...	649-2218(432-5537)
Bancroft	F. Walker	47(404)
Napanee	E. Edson	354-4766(Bath 91)

HATCHERY

White Lake	K. L. Steele	335-2115
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PROVINCIAL PARKS

Black Lake.....	H. E. Clark	Sharbot Lake 198
Bon Echo	G. L. McMurray.....	336-2228(2660)
Lake St. Peter	O. Goodman	Bancroft 47(989)
Outlet Beach, Sandbanks .	R. J. Davison	393-3314(2007)

Area Code: 613.

*Duty Officers.

WHITE RIVER FOREST DISTRICT

Telephone

OFFICE: White River 186

District Forester G. A. McCormack 186(294)

SUPERVISORS

Accounts	W. C. Johnstone	148 (59)
Fish and Wildlife	E. A. Pozzo	186 (131)
Biologist	T. G. Harrison	186 (258)
Forest Protection	W. Kitt	186 (391)
Lands and Parks	J. J. Sargent	186 (364)
Timber	W. C. Tleman	186
Scaling	J. E. Hamilton	186 (5)

CHIEF RANGERS

White River	B. Petman	149 (250)
Wawa	J. C. MacDonald	856-2445(2155)

DEPUTY CHIEF RANGERS

White River	I. Riives	149 (29-J)
Wawa	C. R. Petrosky	856-2120
Wawa	J. D. Schreiber	856-2120(7132)
Franz	P. McDonald	2216
Manitouwadge	B. T. Cannon	826-3225(3760)
White Lake Park	M. P. Barker	1-R-11

Area Code: 705

THE ONTARIO FOREST TECHNICAL SCHOOL

Telephone

DORSET 766-2242

Director Q. F. Hess 766-2334
B. sc. F., F. E., R. P. F.

Accountant J. Palmer 789-4345

Registrar W. Chambers.... Minden 514r23

Maintenance Supt. E. Hayward 766-2304

Chef..... M. McCallum..... 766-2242

Nurse, Housekeeping Sup. . Mrs. P. Briscoe, R. N... 766-2237

FACULTY

Head, Forestry Section;
Drafting, Silviculture, Certificate
and other courses J. E. Dickenson 789-2336
B. sc. F., R. P. F.

Head, Fish and Wildlife
Sect; Fish and Wildlife,
English, Certificate
and other courses..... V. B. Collins..... 766-2335
B. A., M. S. A.

Forest Fire Control
Training in Ontario G. D. MacAdam 766-2386

Dendrology, Soils,
Forest Protection E. Goodman 766-2312
R. P. F.

Dendrology, Mathematics,
Road Construction D. L. Lillow 766-2238

Mensuration, Scaling
courses G. J. Pennock..... 635-2953

Mensuration, Utilization,
Camp Clerking J. D. Ryan 766-2336

Surveying, Drafting..... W. P. Small 766-2344

First Aid (St. John
Ambulance Course)..... Mrs. P. Briscoe..... 766-2237
R. N.

Forest Pathology, Business English,
Utilization, University
of Toronto Forest G. Wilson 789-5360
(University of Toronto)
B. sc. F., R. P. F.

NEW POLICIES

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research program. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1, 1944. He retired on September 15, 1964.

A. P. Leslie was appointed Chief on September 15, 1964.

The functions and responsibilities of the Research Branch are to provide the management Branches of the Department with useful information, checked for reliability by experiments and tests, concerning reproduction, rates of growth, population changes, and diseases relating to forestry, fisheries and wildlife resources. Separate sections of the Branch work in these three major disciplines. A fourth section, Mechanical Research, develops, improves and tests equipment and instruments to meet the special needs of the Research Branch and other Branches of the Department.

The Southern Research Station, established in 1944, serves as a base headquarters for most of the staff of the Research Branch. However, the majority of the research work undertaken by the researchers based at the Station is conducted in the field. In addition to the staff at the Station, decentralized units of the Branch are established in various parts of the province. For example, the Silvicultural Research Units have headquarters at Port Arthur, Sault Ste. Marie, Dorset and Tweed, as well as at Maple; Great Lakes Fisheries Units are established at South Baymouth, Wheatley and Glenora. Seasonally operated stations are also located in Algonquin Park - for fisheries at Lake Opeongo, for forestry at Swan Lake, and for wildlife near Lake of Two Rivers.

FISHERIES SECTION

Studies to determine rates of reproduction, growth and mortality of commercial and game fish, and relation of these to environmental conditions. GREAT LAKES - Research Branch responsible for general research on Lakes Huron, Erie and Ontario; Fisheries Research Board of Canada for Lake Superior, as well as sea lamprey control experiment. GAME FISH - Research units established for study of lake trout, speckled trout, smallmouth bass and walleye. SELECTIVE BREEDING - to obtain brook trout-lake trout hybrid which can sur-

RESEARCH BRANCH

Chief: A. P. LESLIE

Administrative Officer: E. K. E. DREYER

Special Projects: A. R. FENWICK

ADMINISTRATION

Budgeting and Accounting, Personnel
Equipment, Public Relations
Library, Reports

FISHERIES SECTION

Supervisor: K. H. LOFTUS

Game Fish: Brook Trout, Lake Trout,
Smallmouth Bass, Walleye

Great Lakes: Lake Erie, Lake Huron,
Lake Ontario

Maple Headquarters Units: Limnology,
Parasitology, Productivity, Selective
Breeding, Technical Studies

FORESTRY SECTION

Supervisor: D. H. BURTON

Mensuration, Statistics and Economics
Reforestation, Site, Tree Breeding
W. Pine Blister Rust, Wood Quality

Field Silviculture Units: Central,
Northern, South Central, South Eastern,
South Western

MECHANICAL SECTION

Acting Supervisor: V. W. McMULLEN

WILDLIFE SECTION

Supervisor: R. O. STANDFIELD

Big Game, Predators
Diseases and Parasites, Upland Game and Waterfowl
Furbearers

vive in presence of sea lampreys. **MISCELLANEOUS** - Lake productivity unit to classify productive capacity on basis of chemical fertility. Parasites - to identify and assess effects. Limnology (Lake Study) unit to study physical and chemical characteristics of Great Lakes.

Two examples of recent developments:

KOKANEE. The experimental planting of kokanee, a land-locked variety of sockeye salmon, in the Great Lakes appears headed for success. The Research Branch recommended the introduction of this species in 1964 and chose Lakes Huron and Ontario as experimental planting sites because they appeared suitable in most respects environmentally, and because of the depressed state of their commercial and sport fisheries. One factor considered was that kokanee may be able to flourish under conditions of water enrichment. Four plantings were planned, and the first two plantings of three million eggs each were made in 1964-65 and 1965-66. Assessment of the first planting has shown good growth and survival. Preliminary arrangements are proceeding for an increased supply of eggs, with a view of increasing stocking density.

SPLAKE. In 1965 an international agreement was made between Canadian and United States agencies to undertake the rehabilitation of Lake Huron by stocking with highly selected splake hybrids rather than with lake trout. It was planned that the Fisheries Section of the Research Branch would allocate highly-selected brood stock to production hatcheries in Ontario and Michigan. The first stock will be ready for planting in 1969 or 1970. This agreement arose out of the success of a breeding program started by the Research Branch in 1957. By 1965 the first small number of adequately selected splake were produced at the Southern Research Station. Additional numbers are in culture and will come through the selection procedures during 1966 and subsequent years.

FORESTRY SECTION

SILVICULTURE - studies of forest culture, growth and reproduction of the important tree species and associated vegetation. Research includes studies of logging effects upon forest stands; cultural herbicides and controlled fires, seeding and planting. **SITE RESEARCH** - evaluation of soil features, climate and nutrients to determine best use, and rate of productivity. **TREE BREEDING** - selection and breeding of forest tree strains of superior quality and resistance to disease. **REFORESTATION** (Nursery and Planting Practices) - to assist in solution of nursery problems and the planting and care of plantations. **MISCELLANEOUS** - Wood Quality; Forest Mensuration, Mathematical Statistics, and Economics; White Pine Blister Rust Reconnaissance Surveys.

Two examples of recent developments:

TUBED SEEDLINGS. The first large-scale planting of tree seedlings grown in tubes is scheduled for 1966. Between 1957 and 1965 the Research Branch developed this new method to supplement, under certain conditions, the planting of nursery-grown trees. One advan-

tage of the tube method is that the seedlings may be planted in the summer months, almost immediately after a requirement arises, as in the case of a forest fire. Another advantage is that tubes may be planted several times faster than nursery seedlings.

In preparation for the 1966 operational planting by the Timber Branch, the Research Branch undertook in 1965 certain refinements of the equipment and methods they had developed in their experiments. The improvements included pre-treatment of seeds to promote uniform and rapid germination, regulation of watering in the special plastic field nurseries to promote best root growth in the 3 x 9/16 inch tubes, fertility and acidity-level ratings to meet different site requirements, and many improvements in the equipment and instruments designed originally as prototypes for research only.

SILVER MAPLE AND COTTONWOOD. The Southwestern Unit of the Forestry Section has been concentrating on the rehabilitation of the forest land in southwestern Ontario much of which is in a derelict condition following improper logging methods in the past and the destruction of the elm by the Dutch elm disease.

In 1965 particular attention was given to the propagation and cultural treatment of silver maple and eastern cottonwood to replace the elm lost. The work included advanced thinning studies of stands of coppice origin, establishment of silver maple and eastern cottonwood on a variety of sites, selection of high-quality specimens (phenotypes), asexual propagation of selected phenotypes by budding, layering and rooting of cuttings, seasonal growth studies of silver maple and correlation of growth with a variety of site factors such as temperature, precipitation, flooding and defoliation.

MECHANICAL RESEARCH SECTION

It is the special province of the Mechanical Research Section to design, develop, adapt, modify or construct equipment and instruments to meet the special needs of the Department, especially the Research Branch. Also to test and evaluate equipment and materials, and to provide engineering services as required for the solution of technical problems which arise.

Samples of more recent products:

Further design refinements were made to the Helicopter Aerial Seeder used by the Timber Branch in direct seeding tests. Development was initiated of an adaptation for metered broadcasting of seed and fertilizer from fixed-wing aircraft.

A portable gasoline-powered tree-core borer was designed and constructed to obtain large-diameter cores for experimental wood pulping in connection with the Wood Quality project.

An experimental endurance testing apparatus was constructed for the Fisheries Section to measure water pollution effects on small-mouth bass. Reduced swimming ability against current is indicated.

A rotating sand and acid solution power mixer was constructed, to determine the rate of release of nutrients from mineral samples, for use in site research.

A pressure bomb instrument (pressure chamber) was constructed for use in site research to measure sap pressures in twigs and stems, indicative of moisture deficit effects on trees.

A portable battery-operated centrifuge was devised for the Wildlife Research Section for field processing of blood samples taken from upland game.

WILDLIFE SECTION

Collects basic information and develops techniques to assist management. **BIG GAME** - white-tailed deer, moose, woodland caribou. **PREDATORS** - timber wolves. **UPLAND GAME AND WATERFOWL** - small game animals, such as pheasants and rabbits. **WILDLIFE DISEASES AND PARASITES** - identification, frequency, distribution and effects. **FURBEARERS** - habits, behaviour and environment affecting numbers of such animals as beaver and marten.

Two examples of recent developments:

POLAR BEARS. For the past three years biologists in the Research Branch have been observing polar bears which inhabit the Hudson Bay coast of Ontario during the summer and early autumn when the sea is more or less ice-free. In some years there may be more than 80 bears along the shore, most concentrated around Cape Henrietta Maria and some nearby islands. Females den in the muskeg, sometimes over 100 miles from the sea, where they have their cubs in midwinter. There is no open season for polar bears in Ontario as there is as yet little known about their numbers and of the effects that sports hunting would have on them.

MAP OF PATRICIAS. The Wildlife Research Section prepared in 1965 a detailed cover-type map of the Patricia Districts north of latitude 54°. This is the first map of this kind covering this area, and will be useful for many other purposes in addition to wildlife work.

NEW POLICIES

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J. A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

J. A. Brodie was appointed Director of the Forestry Study Unit established on August 31, 1964.

M. B. Morison was appointed Chief on September 1, 1964.

TIMBER BRANCH

Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R. W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

SILVICULTURE SECTION

Supervisor: A. J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: J. W. Giles

Licensing, Records
Marketing and Forest Economics
Scaling

Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E. J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904. Moved to St. Williams in 1908, this nursery transferred to the Department of Lands and Forests in 1912 and became the foundation of the present reforestation programme.

Reforestation Section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient quantities of tree seed to meet the requirements of private and Crown land planting and seeding projects.
- (b) the production and distribution of nursery stock for private demand, for approved Crown projects and for special demand such as Department of Highways roadside plantings.
- (c) the improvement of tree seed of important commercial species through the establishment and development of seed orchards and seed production areas.
- (d) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes.
- (e) recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (f) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (g) an extension service to provide information and advice relative to forestry problems on private lands, and financial assistance in the form of free forestry service in reforestation and woodlands improvement for private landowners entering into agreement with the Minister under The Woodlands Improvement Act.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1966

SEED PLANTS

YEAR ESTABLISHED

Angus	1923
St. Williams.....	1908

FOREST STATIONS

Chapleau.....	1956
Dryden	1958
*Fort William	1946
Gogama.....	1956
*Kemptville	1946
*Midhurst.....	1922
*Orono	1922
Sault Ste. Marie	1956
*St. Williams.....	1908
Swastika	1958
White River	1956

NURSERY STOCK furnished in year ended March 31, 1966

White Spruce.....	15,431,396	Silver Maple.....	209,491
White Pine	9,736,170	Red Oak	147,845
Red Pine	7,838,599	European Larch ..	111,720
Jack Pine	7,228,875	Black Locust.....	79,225
Black Spruce	4,019,400	Tamarack.....	54,050
Scotch Pine.....	2,024,198	White Ash	43,154
White Cedar	753,620	Others.....	51,876
Carolina Poplar..	417,440	Educational and	
Norway Spruce...	370,965	Scientific Uses ...	225,055
Red Spruce	276,775	TOTAL.....	49,019,854

*Demonstration forests. All forest stations include tree nurseries.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1, 480, 539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
1945-1946	13, 175, 575
1946-1947	12, 269, 533
1947-1948	13, 049, 776
1948-1949	17, 700, 970
1949-1950	19, 027, 807
1951-1952	20, 749, 268
1952-1953	24, 241, 754
1953-1954	23, 448, 860
1954-1955	25, 519, 383
1955-1956	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
1965-1966	49, 019, 854
TOTAL	747, 523, 008

DISPOSITION OF NURSERY STOCK

in year ended March 31, 1966

Furnished in respect of private lands	11, 312, 900
Furnished for educational or scientific purposes	225, 055
Furnished for use of Ontario	34, 481, 899
Furnished for use of Quebec (trees sold to provide assistance in a period of rapid expansion)	3, 000, 000
TOTAL	49, 019, 854

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1961	1962	1963	1964	1965	1966	1956-66
Algoma.....	281,950	221,525	266,075	229,525	243,475	182,950	2,790,025
Brant.....	140,425	130,050	99,650	93,350	83,450	108,400	1,231,925
Bruce.....	156,400	148,575	94,800	97,025	94,850	110,125	1,282,210
Carleton.....	145,125	290,925	223,750	215,850	216,125	218,575	1,944,450
Cochrane.....	54,550	59,350	60,450	3,500	2,375	7,100	239,725
Dufferin.....	877,600	425,725	430,525	353,125	271,000	281,150	6,016,650
Dundas.....	86,425	58,875	39,600	56,825	22,875	40,000	484,275
Durham.....	544,475	257,675	340,750	394,400	480,600	284,975	6,284,650
Elgin.....	220,425	96,225	135,450	130,750	65,475	81,650	1,392,875
Essex.....	56,325	26,300	38,525	36,225	56,525	52,550	457,425
Frontenac.....	138,200	146,325	128,950	107,575	120,250	130,950	1,214,950
Glengarry.....	78,900	75,525	61,775	26,175	41,625	62,375	504,675
Grenville.....	217,575	189,800	169,000	135,050	141,450	169,850	1,284,025
Grey.....	710,825	365,625	352,675	260,550	466,950	378,750	5,204,555
Haldimand.....	111,625	106,725	58,075	76,375	85,350	59,300	703,450
Haliburton.....	119,050	139,450	114,950	122,925	93,000	85,625	1,375,425
Halton.....	241,125	148,625	153,150	146,900	224,450	161,000	1,854,400
Hastings.....	433,125	305,900	389,750	251,400	313,375	256,725	3,654,175
Huron.....	276,025	201,250	205,950	190,800	190,150	182,225	2,303,370
Kenora.....	13,975	34,850	42,950	48,175	69,625	70,500	307,050
Kent.....	75,650	49,675	33,875	30,550	71,725	65,425	755,400
Lambton.....	134,175	134,225	96,075	78,875	110,550	69,025	1,016,375
Lanark.....	179,625	125,400	146,225	121,625	162,350	190,825	1,688,725
Leeds.....	123,050	105,250	73,400	71,575	65,500	45,175	745,025
Lennox & Addington...	92,825	96,325	107,975	59,125	87,525	57,300	1,033,825

Lincoln.....	28,925	79,150	53,050	31,900	52,650	35,700	499,425
Manitoulin.....	50,375	68,600	29,600	21,625	27,775	3,175	983,200
Middlesex.....	301,125	494,425	287,625	265,275	240,575	258,450	2,542,725
Muskoka.....	288,150	271,775	199,850	201,825	151,600	191,550	3,508,200
Nipissing.....	91,175	90,975	59,725	84,550	32,275	111,825	1,207,150
Norfolk.....	317,125	289,150	273,050	249,325	230,625	211,300	2,175,800
Northumberland.....	255,550	354,675	131,900	96,425	148,700	149,725	2,589,925
Ontario.....	652,550	468,675	459,625	342,325	348,075	548,550	5,116,425
Oxford.....	119,625	146,750	101,125	96,900	203,075	102,575	1,282,625
Parry Sound.....	450,600	339,300	280,225	235,850	262,325	128,300	4,866,200
Peel.....	414,050	602,925	503,725	376,850	576,175	616,075	4,517,125
Perth.....	53,550	46,625	64,000	40,750	77,850	276,625	968,550
Peterborough.....	123,700	128,675	120,700	142,175	112,650	138,750	1,612,215
Prescott.....	747,025	221,025	170,425	63,300	79,225	143,050	1,737,200
Prince Edward.....	51,525	37,325	24,075	14,525	49,150	38,150	283,350
Rainy River.....	140,425	146,000	92,800	71,350	63,175	79,100	989,725
Renfrew.....	389,875	458,150	391,550	288,550	252,575	289,525	3,440,350
Russell.....	165,875	78,700	5,200	108,250	139,075	102,950	882,975
Simcoe.....	1,085,925	821,350	616,525	700,325	1,326,350	1,546,500	12,038,420
Stormont.....	115,225	51,375	91,600	56,575	75,500	20,950	456,350
Sudbury.....	169,700	121,875	134,775	190,325	167,200	185,250	1,330,625
Thunder Bay.....	271,075	315,975	188,750	184,550	682,230	654,475	2,131,055
Timiskaming.....	17,700	28,075	14,600	19,175	23,900	15,200	249,700
Victoria.....	129,800	138,450	135,600	112,400	72,275	60,700	949,375
Waterloo.....	176,975	181,650	201,200	150,625	218,675	199,625	2,160,350
Welland.....	134,175	227,275	205,975	259,500	184,225	224,725	1,686,750
Wellington.....	224,800	299,850	197,650	442,800	389,800	528,900	3,804,550
Wentworth.....	315,700	257,825	205,350	216,675	284,950	315,100	2,740,425
York.....	916,300	799,000	592,675	613,450	538,700	786,575	6,997,730
TOTAL.....	13,708,050	11,505,775	9,597,300	9,016,400	10,791,980	11,312,900	120,058,130

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1966

CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1965-66	Total
Ausable River.....	Dec. 13, 1951		4, 249.00
Big Creek Region.....	Dec. 2, 1954	122.00	3, 247.90
Catfish Creek.....	Dec. 19, 1962		501.00
Central Lake Ontario.....	Sept. 24, 1963	50.00	195.00
Crowe Valley.....	Aug. 21, 1963		200.00
Ganaraska Region.....	Jan. 31, 1947		8, 148.60
Grand Valley.....	Mar. 18, 1952	16.00	5, 766.37
Lakehead Region.....	May 15, 1958	333.31	12.50
Lower Thames Valley.....	Aug. 12, 1964		1, 256.70
Maitland Valley.....	Apr. 1, 1955		300.00
Metropolitan Toronto and Region...	Apr. 11, 1951		949.00
Moirs River.....	Nov. 28, 1951	50.00	1, 928.00
Napanee Valley.....	Oct. 28, 1954	1, 177.00	14, 615.00
Niagara Peninsula.....	June 6, 1963		6, 145.00
North Grey Region.....	June 25, 1958		186.00
Otonabee Region.....	May 15, 1963	536.00	6, 369.00
Otter Creek.....	Apr. 26, 1957		1, 215.00
Saugeen Valley.....	Sept. 29, 1959	62.00	1, 497.00
South Nation River.....	Dec. 15, 1952	596.00	2, 698.00
	Mar. 28, 1960	615.00	11, 958.00
Spencer Creek.....	Oct. 19, 1962	664.00	1, 030.50
Sydenham Valley.....	July 13, 1965	150.00	150.00
Upper Thames River.....	Apr. 11, 1951		3, 364.36
Sub-Totals.....		4, 371.31	75, 981.93

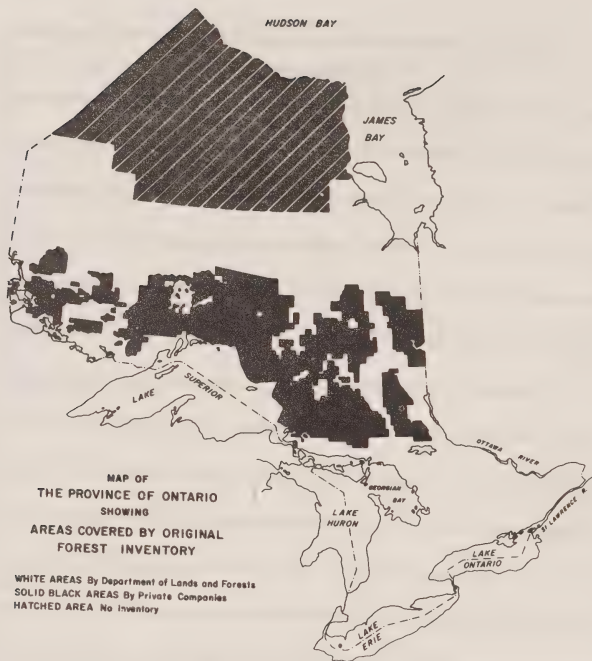
TOWNSHIPS

Bonfield.....	Apr. 1, 1952		60.00
Charlottenburgh.....	Apr. 1, 1955		175.00
Cramake.....	Jan. 14, 1964		162.00
Cumberland.....	May 29, 1952		808.44
Darlington.....	Aug. 19, 1964		140.00
Galway & Cavendish.....	Nov. 1, 1952		619.00
Machar.....	Dec. 30, 1963		90.00
Marlborough.....	Nov. 21, 1953		200.00
Mosa.....	July 16, 1964	72.00	144.00
Torbolton.....	Mar. 28, 1953		430.80
Williamsburgh.....	Oct. 19, 1962		400.00
Sub-Totals.....		72.00	3, 228.44

FOREST AREAS MANAGED BY THE MINISTER (Continued)

CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1965-66	Total
COUNTIES			
Brant.....	Nov. 15, 1952		50.00
Bruce.....	Jan. 20, 1950	80.00	15,533.35
Carleton.....	July 30, 1964		680.00
Dufferin.....	Nov. 26, 1930		2,305.00
Grey.....	Dec. 21, 1937	100.00	8,378.08
Halton.....	Mar. 14, 1950		1,298.63
Huron.....	Nov. 27, 1950		1,439.00
Kent.....	Dec. 23, 1953		75.39
Lanark.....	July 5, 1940	89.00	3,435.00
Leeds & Grenville.....	Apr. 24, 1940	1,336.00	7,600.50
Lennox & Addington.....	Apr. 3, 1952		1,186.00
Middlesex.....	Mar. 8, 1954	70.00	1,189.50
Northumberland & Durham.....	June 10, 1924		4,877.00
Ontario.....	July 9, 1930	739.00	2,739.00
Oxford.....	Sept. 1, 1950		716.56
Prescott & Russell.....	Mar. 15, 1937	82.20	23,568.03
Renfrew.....	Dec. 26, 1951	1,095.00	7,078.00
Simcoe.....	June 19, 1925	543.70	19,512.74
Stormont, Dundas & Glengarry.....	Sept. 20, 1949		2,048.45
Victoria.....	Aug. 10, 1928	1,275.00	8,319.00
Waterloo.....	Apr. 17, 1950		710.48
Wellington.....	June 18, 1964		1,100.00
Wentworth.....	Nov. 27, 1952		889.30
York.....	Mar. 27, 1924	55.62	4,129.70
Sub-Totals.....		5,465.52	118,858.71
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961		3,632.00
TOTALS.....		9,908.83	201,701.88

NEW POLICIES



SILVICULTURE SECTION

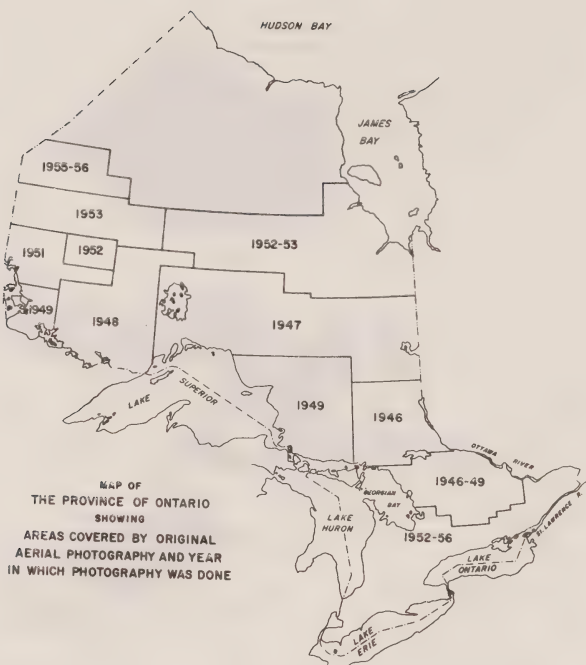
The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.



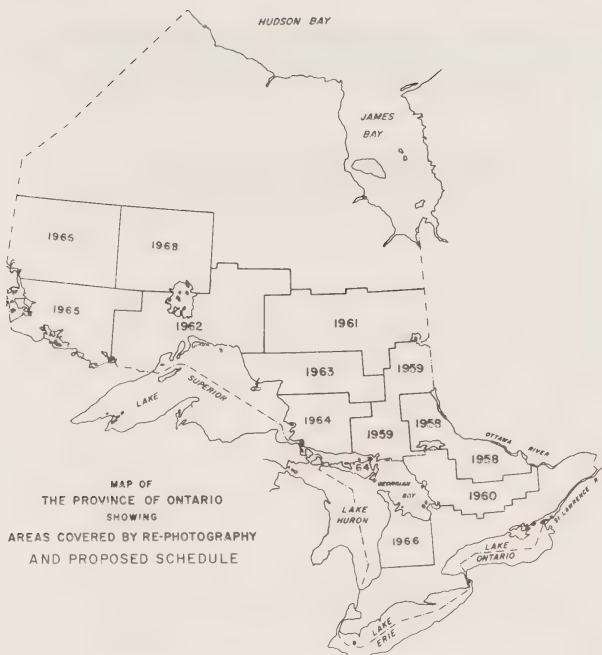
A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.

The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By March 31, 1965, approximately 137,200 square miles had been rephotographed, and detailed forest stand data had been obtained on 35,137 square miles.



The program of tree planting, seeding and stand improvement is to maintain the productivity of Crown Lands. Thus a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. In order to expand this program the Department and forest industry companies have signed Regeneration Agreements whereby the use of Company labour, camp facilities and equipment can be utilized in this work. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

A new regeneration technique has been introduced this season on an operational scale. It involves the growing and planting of tree seedlings in a plastic tube container. It is felt that these "tubed seedlings" will prove a very efficient and economical means of regenerating forest lands.



MANAGEMENT UNITS as of March 31st

Year	Company	Crown	Total
1954	36	87	123
1955	36	81	117
1956	39	82	121
1957	41	80	121
1958	43	81	124
1959	48	77	125
1960	101	72	173
1961	79	76	155
1962	79	78	157
1963	77	79	156
1964	75	81	156
1965	71	81	152
1966	67	78	145

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1959	1960	1961	1962	1963	1964	1965	1966
Scarification and other site preparation.....	9,000	8,824	4,247	1,035	2,307	3,802	3,793	4,127
Scarification with cone scattering or seeding...	.....	.....	.....	2,263	1,211	3,203	5,529	9,414
Cleaning and clearing...	2,507	1,745	5,208	12,053	6,768	9,581	7,545	6,290
Brush Control.....	8,562	179	39	3,906	2,595	6,165	8,728	18,494
Prescribed Burning.....	.....	.....	.....	.....	66	97	1,560	7,500*
Thinning.....	550	225	1,158	583	2,286	1,973	743	...
Pruning.....	.....	76	4,080	4,870	3,111	3,088	3,549	634
Xmas Tree Culture.....	.....	.....	706	509	Discontinued	...	...	...
Improvement Cutting.....	.....	.....	2,525	2,810	1,496	352	1,074	767**
Girdling, Frilling and Poisoning.....	.....	772	2,912	2,754	3,182	6,655	4,974	4,878
Tree Marking.....	.....	.....	3,328	.....	7,465	31	19,047	16,222
Harvest Cutting.....	.....	406	425	1,498	1,824	923	1,047	1,340
Deer Yard Improvement...	.....	.....	.....	.....	.....	664	2,463	9,173
TOTAL.....	20,619	12,227	24,628	32,281	32,311	36,534	60,052	78,839

* preliminary figure

** includes thinning

TREES PLANTED ON CROWN LANDS in years ending March 31st

DISTRICT	1961	1962	1963	1964	1965	1966	1956-66
Aylmer.....	97,633	104,458	145,362	208,345	178,490	409,915	2,308,539
Chapleau.....	3,568,850	2,691,500	3,538,120	3,401,050	4,541,825	3,552,475	28,320,564
Cochrane.....	2,077,248	1,547,250	1,786,000	1,830,000	2,107,400	2,232,000	15,141,145
Fort Frances....	993,000	418,946	1,204,100	1,201,300	1,511,400	779,400	8,544,900
Geraldton.....	1,816,450	1,144,650	1,851,785	3,024,070	2,656,110	2,031,775	14,843,660
Gogama.....	3,283,400	3,695,525	4,210,925	3,818,975	3,938,300	4,135,125	24,688,797
Hespeler.....	53,950	15,025	51,000	18,500	41,540	47,800	382,805
Kapuskasing.....	1,308,759	1,214,400	1,216,275	1,443,500	2,047,000	2,708,375	13,169,634
Kemptville.....	170,077	114,406	73,295	58,040	87,795	37,075	883,532
Kenora.....	518,612	479,206	369,900	1,080,600	463,600	849,050	5,189,178
Lindsay.....	829,392	606,987	489,700	542,090	846,359	603,500	6,927,981
Maple.....	504,163	580,445	263,293	168,067	61,475	45,320	3,336,961
North Bay.....	1,051,694	828,806	643,000	849,000	957,800	1,644,000	7,754,299
Parry Sound.....	1,142,080	599,111	545,165	364,948	639,380	458,200	7,412,532
Pembroke.....	1,139,875	1,260,236	1,207,022	1,374,600	1,628,595	937,255	11,166,031
Port Arthur.....	1,960,575	1,702,275	1,491,800	2,015,000	1,603,000	1,337,600	13,533,878
Sault Ste. Marie	3,534,145	3,682,390	3,828,956	3,402,885	3,922,200	2,827,895	27,911,331
Sioux Lookout...	300,000	211,700	141,200	250,400	590,100	695,500	2,831,446
Sudbury.....	2,374,314	1,840,889	1,890,525	1,759,337	2,528,720	1,931,700	15,182,619
Swastika.....	1,925,343	2,124,903	2,246,795	1,633,068	1,950,057	2,146,825	16,171,477
Tweed.....	1,268,600	938,010	912,000	1,356,050	1,034,000	693,850	9,621,122
White River.....	1,575,125	699,050	905,500	954,350	384,000	327,475	6,717,090
Miscellaneous...	71,323	102,552	79,303	.....	.....	.....	406,408
TOTAL.....	31,564,608	26,602,720	29,091,021	30,754,175	33,719,146	30,432,110	242,445,929
Trees Planted By Department	35,630,393	31,666,580	33,958,450	34,752,240	40,744,221	35,998,838	274,521,348

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1961	1962	1963	1964	1965	1966	1956-1966
Ausable River.....	254,360	270,500	442,500	135,550	399,000	204,650	2,272,685
Big Creek Region.....	22,600	23,500	115,300	29,125	32,500	2,788	300,738
Catfish Creek.....	.....	.....	32,500	46,000	36,000	.....	114,500
Central Lake Ontario..	.....	.....	69,000	14,000	.....	.....	83,000
Crowe Valley.....	.....	.....	.....	.....	24,750	.....	24,750
Ganaraska Region.....	376,500	273,500	343,000	127,500	128,000	.....	2,115,650
Grand Valley.....	502,250	392,400	250,300	101,600	63,900	96,000	2,553,150
Lakehead Region.....	60,000	80,000	40,000	.....	.....	145,500	193,000
Maitland Valley.....	62,500	13,000	8,400	.....	.....	.....	357,505
Metro Toronto & Region	139,750	120,300	67,000	51,100	127,900	48,200	592,375
Moirs River.....	175,200	242,500	217,000	307,000	226,650	184,000	1,590,800
Napanee Valley.....	.....	.....	30,000	.....	21,000	.....	71,000
Niagara Peninsula.....	.....	.....	.....	.....	20,000	.....	20,000
North Grey Region.....	169,000	214,700	172,170	95,325	87,250	51,326	959,571
Otonabee Region.....	.....	.....	.....	.....	.....	15,000	15,000
Otter Creek.....	13,000	6,000	1,000	.....	.....	55,076	78,276
Saugeen Valley.....	94,000	9,000	.....	11,500	2,600	144,975	262,075
South Nation River....	137,500	423,600	115,850	185,050	170,975	79,202	1,828,027
Sydenham Valley.....	.....	125,000	21,000	16,000	52,000	51,000	265,200
Upper Thames River....	20,600	70,100	.....	.....	.....	30,000	30,000
SUB-TOTAL.....	2,027,260	2,263,900	1,965,020	1,156,250	1,412,025	1,127,069	14,283,454
TOWNSHIP							
Chapple.....	.....	.....	.....	.....	.....	.....	51,375
Charlottenburgh.....	.....	.....	.....	.....	.....	.....	36,000
Cramahe.....	25,000	.....	.....	.....	10,000	750	43,000
Cumberland.....	.....	.....	.....	.....	2,375	33,000	26,375
Darlington.....	.....	.....	.....	.....	.....	10,000	10,000
Emo.....	.....	.....	.....	.....	.....	.....	9,725
Galway, Cavendish....	12,025	.....	.....	.....	43,500	18,000	110,275
Machar.....	.....	.....	.....	.....	45,000	.....	45,000
Marlborough.....	4,475	17,000	.....	.....	.....	20,000	201,925
Torbolton.....	.....	50,500	90,550	10,000	.....	.....	308,125
Williamsburgh.....	.....	.....	62,000	100,000	20,000	.....	120,000
SUB-TOTAL.....	41,500	67,500	152,550	110,000	140,875	81,750	961,800

National Capital Commission.....		150,000	721,080	658,950	541,850	328,400	2,400,280
COUNTY							
Brant.....	99,000	140,700	500	.....	.....	.....	11,950
Bruce.....	.....	.....	19,500	35,000	54,900	30,204	776,354
Carleton.....	.....	.....	.....	.....	110,000	29,000	139,000
Dufferin.....	1,500	3,000	12,600	8,000	3,000	2,226	81,326
Grey.....	40,500	213,300	69,480	45,300	29,950	36,800	1,203,979
Halton.....	4,500	38,700	21,650	1,800	61,000	6,000	242,500
Huron.....	85,700	88,510	31,100	98,500	25,095	300	487,225
Kent.....	.....	.....	.....	.....	4,000	.....	12,200
Lanark.....	171,000	34,350	118,750	78,000	269,000	77,225	843,000
Leeds & Grenville....	102,000	146,700	152,000	185,000	265,200	177,800	1,924,350
Lennox & Addington...	12,800	20,500	114,000	.....	3,600	.....	149,400
Middlesex.....	8,000	20,500	30,500	8,000	22,500	8,500	146,100
Northumberland and Durham.....	94,500	136,200	172,000	147,500	110,000	19,000	633,462
Ontario.....	12,000	100,600	3,500	8,000	4,800	39,000	316,900
Oxford.....	44,000	25,100	10,000	.....	11,000	.....	195,350
Prescott & Russell...	767,600	239,500	315,800	405,365	240,125	224,500	6,505,461
Renfrew.....	40,000	380,000	283,000	340,000	420,000	419,450	1,975,850
Simcoe.....	193,500	433,000	349,400	540,200	398,425	214,100	3,751,045
Stormont, Dundas and Glengarry.....	105,000	196,500	78,000	93,650	150,300	104,750	670,075
Victoria.....	85,475	219,250	185,000	64,750	44,500	44,000	1,096,047
Waterloo.....	.....	7,250	11,500	4,500	.....	5,000	309,550
Wellington.....	.....	.....	.....	.....	29,950	.....	29,950
Wentworth.....	55,700	12,000	12,000	2,500	.....	1,000	500,400
York.....	74,250	126,800	38,500	6,800	29,400	35,500	504,450
SUB-TOTAL.....		2,582,460	2,028,780	2,072,865	2,286,565	1,474,355	22,505,924
TOTAL.....		4,065,785	5,063,860	3,998,065	4,381,315	3,011,574	40,151,458

NEW POLICIES

[illegible]

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- (1) "District Cutting Licences" - small, short-term sales which are administered entirely within a particular district.
- (2) "Licences to cut Crown timber" - this is the most common type of tendered sale: it runs for an average of three years.
- (3) "Licences to cut Crown timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

In recent years, some large companies have been guaranteed long-term timber supplies from specific areas by "Volume Agreements". Under this form of tenure, it is the responsibility of the Department to prepare the Forest Management Plan and to select the areas for cutting.

It is the responsibility of the management planning unit to supervise the preparation of plans which will ensure the organization and orderly utilization of Ontario's Crown forests, on a sustained basis. Plans prepared by large companies for the management of their licence holdings, are submitted to this unit for checking and, when satisfied, are recommended for approval. Plans are also prepared by Department staff under the supervision of the management planning unit, for the Crown Management Units for all of the Crown forest areas not covered by company management plans. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in 10 and 20 year periods, a licensee can be shown an assured future wood supply.

The Marketing and Forest Economics Unit carries out detailed economic studies pertaining to forestry and is primarily responsible for assisting in the development of new and expanded forest industry in Ontario. Reports are prepared describing forest industry opportunities in specific localities in the province, in co-operation with other provincial departments and the Federal Government, to provide information for prospective investors in forest products manufacturing.

PRIMARY GROWING STOCK in 000's Cubic Feet

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

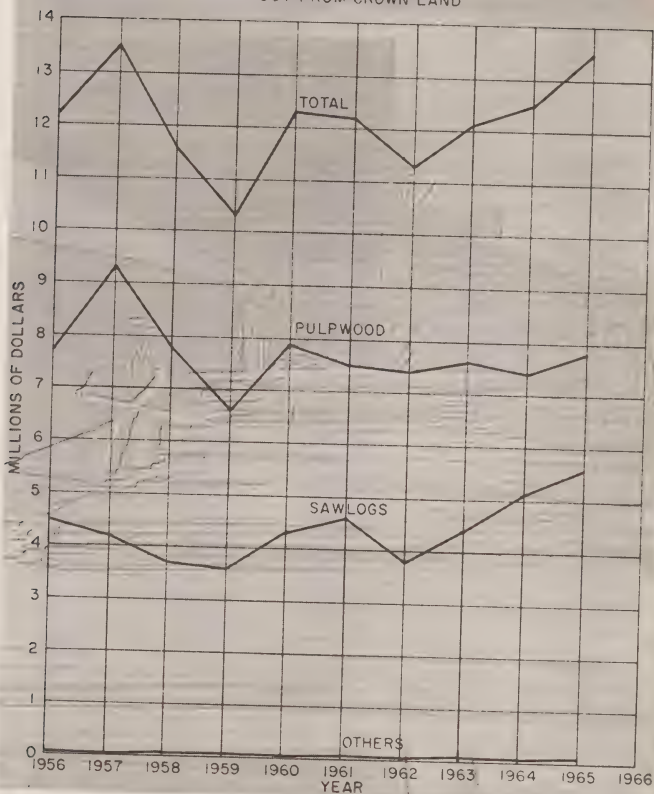
Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759, 884	3, 136, 869	3, 896, 753
Red pine	262, 259	859, 182	1, 121, 441
Jack pine.....	13, 637, 962	6, 486, 599	20, 124, 561
Pitch pine	90	132	222
White spruce.....	2, 844, 250	5, 054, 764	7, 899, 014
Black spruce.....	38, 609, 370	5, 656, 094	44, 265, 464
Balsam fir.....	7, 548, 699	1, 875, 756	9, 424, 455
Hemlock	349, 745	1, 059, 874	1, 409, 619
White cedar.....	1, 413, 148	1, 605, 967	3, 019, 115
Red cedar.....	1, 638	545	2, 183
Larch.....	177, 764	25, 025	202, 789
Total Conifers	65, 604, 809	25, 760, 807	91, 365, 616
Sugar maple	1, 917, 892	4, 488, 726	6, 406, 618
Soft maple.....	460, 542	405, 293	865, 535
Yellow birch.....	503, 134	3, 682, 764	4, 185, 898
Beech.....	183, 503	446, 277	629, 780
Elm	346, 282	723, 814	1, 070, 096
Ironwood	172, 359	22, 294	194, 653
Red oak	228, 796	240, 059	468, 855
White oak.....	21, 837	34, 385	56, 222
White birch.....	10, 026, 642	6, 188, 709	16, 215, 351
Poplar	13, 709, 143	14, 373, 889	28, 083, 032
Ash	351, 292	268, 479	619, 771
Basswood.....	102, 957	279, 049	382, 006
Black cherry.....	59, 881	28, 637	88, 518
Butternut.....	1, 388	3, 601	4, 989
Hickory	24, 375	15, 342	39, 717
Other hardwoods	5, 024	1, 476	6, 500
Total Hardwoods ...	28, 115, 047	31, 202, 794	59, 317, 841
TOTAL ALL SPECIES .	93, 719, 856	56, 963, 601	150, 683, 457

ANNUAL ALLOWABLE CUT in 000's Cubic Feet

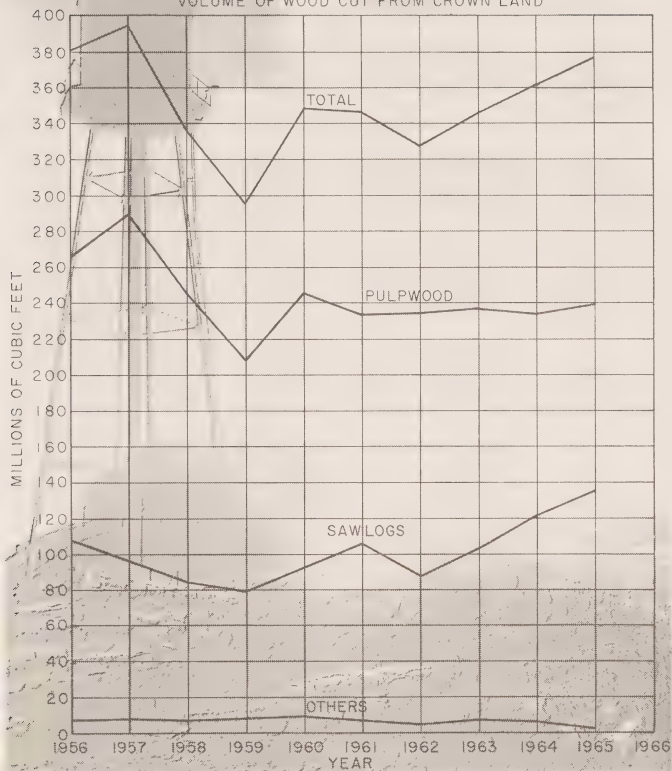
Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32, 254	13, 737	45, 991
Red pine.....	13, 871	3, 216	17, 087
Jack pine.....	413, 427	16, 332	429, 759
Pitch pine .....	.....	6	6
White spruce.....	105, 027	12, 711	117, 738
Black spruce.....	551, 794	21, 943	573, 737
Balsam fir.....	139, 345	19, 912	159, 257
Hemlock	5, 031	5, 430	10, 461
Cedar	15, 893	12, 687	28, 580
Larch.....	2, 459	849	3, 308
Total Conifers	1, 279, 101	106, 823	1, 385, 924
Sugar maple	30, 476	42, 957	73, 433
Soft maple.....	1, 725	26, 825	28, 550
Yellow birch.....	37, 858	12, 534	50, 392
Beech.....	1, 687	4, 611	6, 298
Elm	675	16, 606	17, 281
Ironwood	573	1, 984	2, 557
Red oak.....	149	4, 950	5, 099
White oak	6	673	679
White birch.....	263, 626	31, 863	295, 489
Poplar	702, 313	140, 798	843, 111
Ash.....	1, 774	6, 638	8, 412
Basswood	1, 489	7, 973	9, 462
Black cherry.....	115	1, 102	1, 217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods	1, 720	91	1, 811
Total Hardwoods ...	1, 044, 192	300, 426	1, 344, 618
TOTAL ALL SPECIES .	2, 323, 293	407, 249	2, 730, 542

STUMPAGE REVENUE FOR WOOD CUT FROM CROWN LAND



VOLUME OF WOOD CUT FROM CROWN LAND



VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956*
SOFTWOODS										
Balsam.....	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093	14,374
Cedar.....	139	180	126	127	96	234	197	97	738	459
Hemlock.....	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872	5,321
Jack Pine.....	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779	86,664
R and W Pine..	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528	33,679
Spruce.....	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666	205,320
Tamarack.....	4	7	16	10	7	10	12	16	25	102
Fuelwood.....	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001	2,401
Others.....	.....	.....	.....	.....	.....	.....	.....	.....	22	32
HARDWOODS										
Birch.....	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506	7,437
Maple.....	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265	4,441
Poplar.....	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955	16,921
Fuelwood.....	1,020	1,652	1,054	1,166	568	1,530	1,577	1,293	1,802	1,813
Others.....	580	1,755	1,061	1,148	1,145	1,335	968	691	552	925
TOTALS										
Softwoods.....	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724	348,352
Hardwoods....	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081	31,536
All Species..	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806	379,888
Total Value..	.....	.....	.....	.....	.....	.....	10,428	10,756	11,473	12,039
(\$000's export levy not included)										

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1957	1958	1959	1960	1961	1962	1963	1964	1965
SOFTWOODS									
Balsam.....	13,766	12,213	10,988	13,051	4,766	12,316	11,174	10,219	11,454
Cedar.....	284	711	280	268	331	341	105	182	177
Hemlock.....	5,050	2,567	3,046	3,768	2,780	2,429	1,841	3,032	3,128
Jack Pine.....	99,997	78,225	68,415	78,243	76,857	70,903	78,485	82,239	89,613
Red Pine.....	6,150	4,989	3,581	6,188	5,037	5,291	6,029	6,446	7,297
Scotch.....	.....	.....	.....	.....	.....	.....	.....	.....	17
White Pine.....	26,171	20,249	18,025	22,300	19,150	17,606	21,930	24,409	24,769
Spruce.....	207,392	180,006	157,544	186,920	191,047	178,063	182,327	183,756	195,017
Tamarack.....	56	64	25	76	75	36	39	28	98
Xmas Trees....	22	8	11	3	1	1	1	1	10
Fuelwood.....	2,536	2,359	2,338	1,525	1,476	905	827	452	435
HARDWOODS									
Ash.....	46	72	63	83	109	65	100	95	104
Basswood.....	295	274	319	365	469	359	434	575	480
Beech.....	160	136	131	273	385	175	278	483	359
White Birch....	1,314	1,458	1,339	1,426	1,784	1,754	2,295	3,732	3,332
Yellow Birch..	6,312	7,173	6,165	7,397	6,972	6,925	8,822	8,963	8,983
Butternut.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	1	2	2	2	2	1
Cherry.....	18	12	15	27	26	20	18	22	30
Elm.....	160	192	196	256	261	274	286	267	278
Maple.....	3,989	4,261	3,639	4,851	5,787	5,212	6,537	7,649	8,459
Oak.....	109	133	127	177	239	207	276	355	348
Poplar.....	19,244	20,205	17,729	19,773	18,356	21,256	22,907	25,995	20,654
Fuelwood.....	1,982	1,532	1,630	1,219	1,202	1,186	1,137	1,162	1,166
TOTALS									
Softwoods.....	361,424	301,390	264,253	312,292	311,519	287,894	302,758	310,765	332,014
Hardwoods.....	33,630	35,448	31,355	35,847	35,593	37,707	43,092	49,300	44,195
All Species....	395,054	336,838	295,608	348,140	347,112	325,601	345,850	360,065	376,209
Total Value...	13,363	11,412	10,155	11,824	12,048	11,229	12,057	12,473	13,417
(\$000's, export levy not included)									

TIMBER CUT IN DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1966

DISTRICT	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulp Wood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Value
Chapleau.....	61	160	12,294	46	8,228	26	.....	20,754	...	\$ 514	\$ 44	\$ 558
Cochrane.....	425	1,540	3,223	44	29,167	122	1,162	35,258	...	1,038	175	1,213
Fort Frances....	341	1,342	565	41	9,423	83	26	11,480	18	272	62	334
Geraldton.....	122	.....	4,659	118	52,976	90	568	58,411	1	1,641	159	1,799
Gogama.....	23	5,524	3,075	213	2,707	12	290	11,821	...	313	88	401
Kapuskasing....	472	.....	10,993	53	38,658	112	419	50,235	...	1,575	332	1,907
Kemptville.....	...	164	.....	...	2	...	.....	166	...	4	2	6
Kenora.....	375	.....	719	267	32,357	31	22	33,396	...	949	164	1,112
Lake Simcoe....	5	33	.....	...	21	10	.....	64	...	1	7	8
Lindsay.....	42	1,735	.....	1	39	9	.....	1,784	...	39	37	75
North Bay.....	292	12,386	.....	143	4,414	88	.....	17,031	...	373	413	786
Parry Sound....	280	5,346	266	29	756	381	.....	6,778	...	153	182	335
Pembroke.....	108	14,895	.....	681	2,212	26	1	17,815	...	415	496	911
Port Arthur....	291	106	9,181	354	26,516	31	599	36,787	...	1,092	191	1,283
Sault Ste. Marie	146	13,725	9	22	1,197	165	.....	15,118	...	392	362	754
Sioux Lookout...	195	5,210	509	180	17,105	180	347	23,531	...	631	90	721
Sudbury.....	231	912	2,508	99	5,872	99	8	9,498	...	232	76	308
Swastika.....	292	2,362	8,374	160	6,079	113	993	18,081	...	456	187	643
Tweed.....	172	3,028	.....	12	1,778	11	24	4,853	...	87	104	194
White River....	32	.....	2,627	6	702	9	4	3,348	...	86	21	107

*Includes piling, poles, dimension timber.

† Number of trees.

(d) Includes Doyle Scale.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091
1964	4,392	65,647	56,368	1,524	231,301	1,614	3,611	360,065	2	9,658	2,848	12,506
1965	3,095	68,469	59,000	2,467	240,209	1,601	4,463	376,209	20	10,264	3,191	13,455

*Includes piling, poles, dimension timber.

† Number of trees in 000's.

(d) Includes Doyle Scale.

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964

NEW POLICIES

NEW POLICIES

[illegible]

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
Advisory Committee on Recreational Land Use Planning
Advisory Council to the Ontario Forest Technical School
Atlantic Flyway Council --- Technical Committee
American Ornithologists' Union --- Local Committee for 1967 Meeting.
Canada Land Inventory Co-ordinating Sub-Committee
Canada Fur Council
Canadian Council of Resource Ministers
Canada-Ontario Advisory Committee on Forest Research
Conservation Council of Ontario
Federal-Provincial Advisory Committee --- Resource Development Agreement
Federal-Provincial Committee on Ontario Fisheries
Fish and Wildlife Advisory Committee to Ontario St. Lawrence Development Commission
Great Lakes Deer Group
Interdepartmental Committee on Pollution --- Subcommittee on Food Processing and Industrial Waste.
Interdepartmental Committee on Wildlife Management and Research (Conjoint Committee --- Guelph University, Department of Agriculture and Lands and Forests)
Interdepartmental Centennial Committee
Interdepartmental Rabies Committee (Federal and Provincial Departments of Health and Agriculture, and Ontario Dept. of Lands and Forests)
Minister's Advisory Committee on Indian Affairs
Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners)
Mississippi Flyway Council --- Technical Committee
International Great Lakes Fishery Commission ---
--- Sea Lamprey Control and Research Committee
--- Lake Superior Committee
--- Lake Huron Committee
--- Lake Erie Committee
--- Lake Ontario Committee
Ontario Council of Commercial Fisheries
Ontario Humane Society --- Committee on Private Zoos
Ontario Waterfowl Research Foundation --- Scientific Advisory Board
Ontario Trappers' Association --- Fur Committee
International Association of Game, Fish and Conservation Commissioners --- Arrangements Committee
--- Program Committee
Educational Leave Committee

FOREST PROTECTION BRANCH

Canada-Ontario Advisory Comm on Forestry Research
Canadian Council of Resource Ministers --- Advisory Comm
Canadian Govt Standards Board --- Comm on Forest Fire Hose
Canadian Institute of Forestry --- Youth Training
Canadian Standards Association --- Comm on Fire Hose Couplings
Conservation Business Management Association
Conservation Council of Ontario
National Fire Protection Association --- Forests Comm
National Research Council --- Associate Comm on Forest Fire
Protection
North American Forestry Commission --- Fire Control Working
Group
Ontario Forestry Association --- Forest Fire Prevention Comm
Ontario Govt Comm on Pesticides
Ontario Professional Foresters Association
Ontario Shade Tree Council --- Technical Comm.
Western Forestry and Conservation Association.

LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
Advisory Council on Cadastral Surveys (Canada)
Association of Ontario Land Surveys --- Member of Council
Canada Land Inventory Co-ordinating sub-committee
Canadian Permanent Committee on Geographical Names
Co-ordinating Committee on studies of Northern Ontario Water
Resources (Ontario-Canada)
International Boundary Commission
International Great Lakes Levels Board --- shore property
sub-committee
International Hydrological Decade
Interprovincial Boundary Commissions
Lake of the Woods Control Board
Mining and Access Roads Committee
National Advisory Committee on Recreational Land Inventory
Private Lands Liaison Committee
Public Agricultural Lands Committee
Water Front Technical Committee (under Metropolitan Toronto).
Ontario Water Resources Liaison Committee

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Purchasing Agents
Canadian Public Relations Society --- Seminars Comm on
Management
Centennial Project Comm (Ontario)

International Association of Game, Fish and Conservation
 Commissioners --- Land Resources Comm
 International Order of Hoo-Hoo, Toronto Club No. 53 --- 2nd
 Vice-Pres
 International Rescue and First Aid Association --- Past Pres,
 Board of Directors, 1966 Convention Chairman
 National News Week (Toronto Men's Press Club) --- Vice Chairman
 North American Conservation Hall of Fame --- 1st Vice-Pres
 Ontario Society of Safety Engineering --- Board of Governors
 Records Management Comm (Ontario)
 Records Retention Comm (Ontario)
 Sheridan Park Parks Commission --- Parks Commissioner.

PARKS BRANCH

Canadian Institute of Forestry
 Fed-Prov Parks Conference
 Federation of Ontario Naturalists
 Ontario Conservation Council --- Parks Comm
 Ottawa Valley Parkway Comm
 Quetico-Superior Joint Advisory Comm
 Wasaga Beach Advisory Comm --- Chairman.
 Water Resources Liason Comm.

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
 Advisory Comm for Lake Huron Fisheries Research
 Advisory Comm for the Harkness Lab for Fisheries Research
 Advisory Comm for the Lab of Experimental Limnology
 American Fisheries Society
 Canada Comm on Freshwater Fisheries Research
 Canada-Ontario Advisory Comm on Forest Research
 Department Council
 Fed-Prov Great Lakes Research Comm
 Great Lakes Deer Group
 Great Lakes Fishery Commission
 --- Advisory Comm
 --- Scientific Advisory Comm
 --- Sub-Comm on Lake Erie
 --- Sub-Comm on Lake Huron
 --- Sub-Comm on Lake Ontario
 --- Sub-Comm on Lake Superior
 Great Lakes Institute (University of Toronto)
 Guelph University --- Dept of Agriculture --- Dept of Lands and
 Forests Co-joint Comm
 Lake Erie Council of Commercial Fishermen
 Lake Erie Fish Management Comm
 Lake Ontario Fisheries Management Comm (Ontario-New York)
 Midwest Wildlife Conference --- Upper Great Lakes Fishery
 Commission
 Mississippi Flyway (Research) Council
 National Advisory Comm on Forest Land

North American Wildlife Conference
Northeastern Forest Tree Improvement Conference --- Site
Evaluation Comm
Northeast Wildlife Conference
Ontario Agricultural College Comm on Correlation of Soil and Site
Ontario Council of Commercial Fishermen
Ontario Research Foundation
--- Advisory Comm on Research in Forestry
--- Advisory Comm on Research in Fish and Wildlife
--- Quality Wood Comm
Ontario Waterfowl Research Foundation --- Scientific Advisory
Comm.

TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation
Comm
Canada Comm on Forest Tree Breeding
Canada-Ontario Forest Research Comm
Canadian Institute of Surveying --- Air Photo Interpretation
--- Sub-Comm on Equipment and Techniques
--- Air Photo Interpretation of Forestry and Wildlife
Conservation Council of Ontario
Ontario Economic Council
--- Comm on Rural Land Development
--- Comm on Forest Based Industry
Ontario Forestry Association --- Board of Directors
--- Resources Rangers Advisory Comm
Ontario Professional Foresters Association
--- Private Lands Management
--- Forest Management
--- Practice and Ethics
--- Public Relations
Photogrammetria --- Editorial Comm
Society of American Foresters
--- Forest Mensuration Group
--- U. S. Region Nine Nurserymen's Association.

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Director
Ontario Professional Foresters Association - Forest Management
Planning Comm.

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm.

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico-Superior International Joint Advisory Comm.

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Search and Rescue Unit

GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm
Recreational Land Use Planning Comm.

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Planning Boards (Kapuskasing and Hearst)
Winter Employment Comm.

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,
Glengarry, Prescott and Russell Counties
Cataaraqui Region Conservation Authority - Reforestation
Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Association
Gananoque River Waterway Association
Interprovincial Conservation Council
Ontario Federation of Agriculture (Leeds, Carleton)
Ontario Federation of Anglers and Hunters - Zone 4
Ontario Forestry Association - Tree Farm Comms in
Glengarry and Lanark Counties
Raisin River Conservation Authority
Rideau River Conservation Authority

Reforestation Comms for County Councils of Leeds and Grenville:
Dundas, Stormont and Glengarry: Prescott and Russell:
Seaway Valley Travel Council
Soil and Crop Improvement Association --- Land Use Comms for
Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
Stormont and Prescott Counties.
South Nation Conservation Authority
St. Lawrence Parks Commission --- Fish and Wildlife Advisory
Comm.

KENORA DISTRICT

Agricultural Lands Comm (ARDA)
Dryden Conservation Camp --- Advisory Comm
Dryden High School Forestry Course --- Advisory Comm
Ontario Professional Foresters Association --- Management
Planning Comm
Recreational Zoning Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
Big Creek Conservation Authority - Fish & Wildlife Advisory Board
Catfish Creek Conservation Authority --- Forestry Advisory Board
Grand Valley Conservation Authority --- Reforestation Comm
Great Lakes Fishery Commission --- Advisory Comm; Lake Erie
Research and Management Comm
Lake Erie Fisheries Research Advisory Comm
Lower Thames River Conservation Authority --- Forestry
Advisory Board
Middlesex County Forestry Comm
Niagara Peninsula Conservation Authority --- Reforestation Comm
Ontario Professional Foresters Association --- Forest
Management Comm; Chairman, Private Lands Comm
Otter Creek Conservation Authority --- Forestry Advisory Board
Sydenham Valley Conservation Authority --- Forestry Advisory
Board
Upper Thames River Conservation Authority --- Forestry Advisory
Board.

LAKE HURON DISTRICT

Grand Valley Conservation Authority --- Forestry Advisor
Huron District Woodlot Owners Association --- Forestry Advisor
Huron County Reforestation Comm
Maitland River Conservation Authority --- Forestry Advisor
Ontario Professional Foresters Association --- Education Comm
Saugeen Valley Conservation Authority --- Forestry Advisor;
--- Fish and Wildlife Advisor
Spencer Creek Conservation Authority --- Forestry Advisor.

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform Institutions)
Canadian Institute of Forestry, Southern Ontario Section
Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land Use Advisory Board
Essa Township Conservation Comm
Lake Simcoe and District Maple Syrup Producers Association
Lake Simcoe District Tree Farm Comm
Metropolitan Toronto and Region Conservation Authority --- Reforestation and Land Use Advisory Board
Reforestation Comms of County Councils in Simcoe, Dufferin, York and Ontario Counties.

LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications Comm; Forest Management Comm
Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board
Durham and Northumberland Counties --- Reforestation Comm
Ganaraska Region Conservation Authority --- Forestry Advisory Board
Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board
Victoria County --- Reforestation and Soil Conservation Comm; ARDA Comm.

NORTH BAY DISTRICT

Agricultural Lands Comm
Canadian Institute of Forestry
Recreational Land Use Planning Comm.

PARRY SOUND DISTRICT

Agricultural Land Use Comm
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Recreational Land Use Planning Comm (Parry Sound and Muskoka).

PEMBROKE DISTRICT

Canadian Institute of Forestry - program comm
County of Renfrew Conservation Comm
Ontario Professional Foresters Association - Resolutions Comm
Opeonge Line Development Association
Renfrew County ARDA Advisory Comm.

PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Thunder Bay Fish and Game Association.

SAULT STE. MARIE DISTRICT

Agricultural Comm
Agricultural Resources Development Association
Agriculture and Conservation Comm - Kiwanis
Canadian Institute of Forestry
Ontario Professional Foresters Association --- Council
Recreational Land Use Planning Comm
Search and Rescue Unit

SIOUX LOOKOUT DISTRICT

Agricultural Comm
Recreational Land Use Planning Comm.

SUDBURY DISTRICT

Lake Huron Fisheries Research --- Advisory Comm
Manitoulin Island Conservation Advisory Comm
North Georgian Bay Recreational Reserve Comm
Recreational Land Use Planning Comm
South Bay Mouth Advisory Comm.

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm.

TWEED DISTRICT

Cataraqi Region Conservation Authority --- Environmental
Sciences Advisory Board
Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moir River Conservation Authority --- Wildlife Advisory Board
Napanee River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm;
ARDA Comm.

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm.

AREA AND POPULATION BY PROVINCES populations in 000's

Province.....Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105
Newfoundland.....155,364 Mar. 31, 1949	....	....	....	....	....	....	361	458
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922
Saskatchewan.....251,700 Sept. 1, 1905	....	....	492	757	921	895	831	925
Alberta.....255,285 Sept. 1, 1905	....	....	374	588	731	796	939	1,332
British Columbia.....366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629
Territories**.....	48	98	15	12	13	16	25	38
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed—"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).
Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.
Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.
Land Agencies incorporated in Districts.
- 1943 Geraldton District established.
Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.
Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.
Kemptonville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.
- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licenses holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

1956 Rideau District named Kemptville District.

1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

1958 Surveys Act completely revised.

Silviculture becomes the third Branch in Division of Timber. Land Use Planning Section created in Lands and Surveys.

1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.

1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.

MEMORANDUM

MEMORANDUM

MEMORANDUM

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Min. Dept. of Lands & Forests

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STATISTICAL

Government
Publications

REFERENCE

OF

LANDS AND FORESTS

ADMINISTRATION

1968



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,
Minister

G. H. U. BAYLY,
Deputy Minister

A

*Government
Publications*

**STATISTICAL
REFERENCE
OF
LANDS AND FORESTS
ADMINISTRATION
1968
OPERATIONS BRANCH**



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

**HON. RENE BRUNELLE,
Minister**

**G. H. U. BAYLY,
Deputy Minister**

NEW POLICIES

[illegible]

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1967 season and are subject to correction in the Annual Report for the year ending March 31st, 1968.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard Hearst.....	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Oct. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan.....	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau.....	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald ..	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte ...	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte ...	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood...	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall....	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell.....	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards...	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron.	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee.	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy ...	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay.....	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane.....	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson....	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell.....	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram..	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	Oct. 28, 1966
Hon. Rene Brunelle	Nov. 24, 1966	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL.....	1941
G. H. U. BAYLY.....	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

MEMORANDUM

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J.G. McMillen.

New accounting procedures became effective on April 1st, 1942. Since that date, the work of the Branch has been further modernized to provide a complete financial management service.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

Systems Improvement Program

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

YEAR	CASH RECEIPTS		Total	CASH DISBURSEMENTS		Total	BALANCE
	Ordinary	Capital		Ordinary	Capital		
1947	\$ 10,366,281.93	\$ 261,865.96	\$ 10,628,147.89	\$ 7,043,267.18	\$ 116,523.23	\$ 7,159,790.41	\$ 3,468,357.48
1948	10,467,251.70	215,151.77	10,682,403.47	7,598,611.94	.....	7,598,611.94	3,083,791.53
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97	234,435.09
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	4,623,339.12	14,536,859.74	d-2,934,604.05
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35	3,149,885.28
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94	4,949,208.31
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48	10,006,812.65
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47	6,559,176.49
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42	6,430,466.63
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88	2,874,285.45
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75	5,023,761.56
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75	3,666,297.69
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03	d-4,189,790.28
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72	d-4,585,644.98
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30	d-1,620,651.24
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02	d-6,014,690.56
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40	d-5,940,207.05
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84	d-8,147,927.55
1965	23,273,311.03	768,852.31	24,042,163.34	28,667,274.63	1,562,775.74	30,230,050.37	d-6,187,887.03
1966	25,513,416.20	822,938.60	26,336,354.80	28,528,699.63	3,893,760.12	32,422,459.75	d-6,086,104.95
1967	26,288,442.11	1,129,352.10	27,417,794.21	36,307,310.01	5,905,588.27	42,212,898.28	d-14,795,104.07

*Years to 1947 include former Department of Game and Fisheries. Grants to Conservation Authorities in 1962, 1963 and 1964. Water power revenue transferred to Treasury Department in 1959. d--Operating deficit. p--Parks improvements. w--Cut back in woods operation. m--Mississagi project.

TIMBER SECTION REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Forest Protection Charges	Cash Deposits and Refunds	Misc.	Total
1947	\$ 6,175,444	\$ 125,061	\$ 461,164	\$ 164,784	\$ 17,651	\$ 6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445 ^w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470 ^w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166 ^w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583
1965	12,442,384	88,569	1,153,344	16,177	29,239	13,729,713
1966	13,770,045	83,865	1,083,416	64,461*	20,715	14,893,580
1967	13,273,094	85,950	1,123,840	38,958	44,628	14,566,470

*Refunds in excess of deposits.

w - Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	Y Royalty (Game)	Misc.	Total
1947*	\$196,549	\$ 9,316	\$132,907	\$361,887	\$1,000,866	\$109,473	\$274,139	\$155,744	\$2,240,911
1948	205,827	11,878	146,601	453,790	1,156,904	110,705	206,514	128,442	2,420,661
1949	237,707	16,787	176,301	468,705	1,350,501	116,597	328,171	119,107	2,813,876
1950	242,208	352	194,228	264,922	1,450,180	115,344	293,426	113,858	2,774,518
1951	264,881	.....	200,790	401,490	1,637,775	121,688	321,698	117,429	3,065,752
1952	286,226	7,719	222,998	340,255	1,868,746	135,255	341,664	117,082	3,319,945
1953	348,665	33,487	249,982	156,913	1,949,892	140,116	398,604	132,256	3,409,915
1954	355,911	52,464	251,535	447,366	2,086,074	125,427	353,005	128,953	3,800,735
1955	364,082	73,460	277,237	454,643	2,204,668	140,064	343,220	122,882	3,989,256
1956	405,201	90,040	295,320	513,088	2,279,336	132,944	317,052	121,733	4,154,714
1957	400,272	134,210	292,098	545,979	2,294,761	145,447	272,952	120,108	4,205,827
1958	415,920	173,650	317,375	563,004	2,431,977	128,634	277,800	126,171	4,434,531
1959	459,440	214,664	346,914	588,852	2,337,425	116,861	268,276	107,392	4,439,824
1960	468,833	245,033	352,197	698,968	2,399,612	112,260	252,001	93,303	4,622,207
1961	493,361	280,274	357,021	797,213	2,435,611	110,168	279,484	94,979	4,848,111
1962	420,727	358,695	344,706	936,819	2,527,212	111,552	244,082	110,723	5,054,516
1963	478,444	363,095	353,064	1,041,490	2,608,572	114,461	255,265	110,406	5,324,797
1964	457,361	393,296	381,125	1,125,019	2,685,219	115,724	327,572	112,765	5,598,081
1965	493,979	366,693	388,629	1,278,264	2,695,802	122,525	287,124	96,062	5,729,078
1966	533,179	422,535	463,951	1,478,195	2,847,117	123,027	197,077	88,220	6,153,301
1967	546,667	436,508	472,279	1,859,144	2,971,133	134,876	224,167	96,927	6,741,701

+Includes Smelt Licences and Royalty (Fish).
+Includes Trapper's Licences.

*Department of Game and Fisheries to 1947.

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$	\$ 45,613	\$	\$.....	\$13,008	\$ 58,621
1958	148,488	78,462	.....	.....	17,383	244,333
1959	207,751	124,137	.....	.....	27,181	581,356
1960	292,459	206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968
1965	591,748	626,034	95,487	.....	21,945	1,335,214
1966	901,300	863,704	95,082	.....	24,849	1,884,935
1967	1,024,315	935,513	105,670	.....	37,998	2,103,496

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,297
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,683
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480
1967	732,281	346,762	34,265	356,877	1,470,185

† Leases and Licences of Occupation

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

[illegible]

NEW POLICIES

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: F.A. Walden

Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: J.D. Roseborough

Game Fish and Hatcheries
Fisheries Inventory
Commercial Fisheries

Indian Affairs Agreement

SPECIAL STAFF

Chief's Clerical Staff

Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	** Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
1949	4,326	46,208	1,027	2,822	409	120	19,867	172,219	3,276	129	77	209	20,544
1950	4,917	62,717	310	1,741	389	48	30,750	146,145	3,488	66	169	...	44,463
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,737
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,300	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	8,222	44,161	366,862	8,890	11,025	...	14,880	10,213
1965	8,937	161,229	2,581	2,343	1,690	6,664	32,825	251,795	8,457	8,280	...	17,750	11,841
1966	9,035	147,627	3,116	4,088	1,503	19,131	25,705	390,685	8,171	20,389	72	9,297	10,446
1967	8,988	143,776	3,016	4,581	1,167	26,591	23,964	359,142	6,928	11,797	...	7,490	7,721
1967	Price(\$)	13.40	12.77	5.85	24.83	7.95	8.16	0.99	20.60	3.27	...	0.23	0.30
1967	Total Value:	\$2,980,837.88.											

*Management began in 1947. Wolf and bear returns not reported above.
 **Lynx includes Bob Cat.

VALUE OF PELTS

NUMBER OF PELTS

Year	Wild Beaver	Ranch Mink	Total Wild	Total Ranch	Total	Wild Beaver	Total Wild	Total Ranch	Total
1947	45,908	73,770	876,204	101,430	977,634	\$1,273,947	\$4,966,209	\$2,262,888	\$7,229,098
1948	20,102	125,829	1,001,249	155,468	1,156,717	671,407	4,040,847	2,346,039	6,386,885
1949	74,414	143,358	1,046,628	164,917	1,211,545	1,592,460	5,187,075	1,647,044	6,834,120
1950	65,728	143,513	931,890	158,912	1,090,802	1,311,274	4,248,297	2,165,233	6,413,530
1951	82,048	142,570	811,579	152,208	963,787	1,938,794	4,582,901	3,101,559	7,684,460
1952	105,769	144,436	959,431	152,284	1,111,715	1,496,631	3,656,919	2,355,226	6,012,145
1953	122,590	152,760	1,098,286	156,903	1,255,189	1,612,059	3,868,812	2,171,784	6,040,596
1954	105,361	131,192	1,016,672	132,759	1,149,431	1,016,734	2,682,762	1,905,518	4,588,280
1955	135,290	158,662	1,107,530	159,765	1,267,295	1,995,528	4,284,902	2,942,968	7,227,870
1956	113,200	171,723	786,608	172,985	959,593	1,386,700	2,989,521	4,129,555	7,119,077
1957	113,036	247,998	788,666	248,317	1,036,983	1,254,700	2,575,809	2,978,209	5,554,018
1958	141,263	237,172	791,165	237,930	1,029,095	1,483,262	2,713,427	3,943,119	6,656,546
1959	120,121	262,788	680,189	262,913	943,102	1,249,259	2,445,203	3,969,224	6,414,426
1960	111,235	286,845	641,093	287,265	928,358	1,479,426	2,831,174	4,450,571	7,281,744
1961	131,620	348,193	680,878	348,602	1,029,480	1,408,334	2,469,875	4,441,088	6,910,963
1962	137,634	385,650	627,283	385,962	1,013,245	1,362,577	2,451,075	5,593,485	8,044,560
1963	166,726	385,982	692,487	386,133	1,078,620	1,959,031	3,439,311	6,176,920	9,616,231
1964	183,973	437,303	742,923	437,443	1,180,366	2,327,258	3,942,029	7,019,973	10,962,002
1965	159,524	393,231	597,866	393,231	991,097	1,659,050	2,877,897	5,898,465	8,776,362
1966	149,408	482,932	724,464	483,142	1,207,606	2,285,942	3,985,556	8,219,084	12,204,640
1967	140,083	542,647	611,536	542,822	1,154,358	1,603,950	2,596,393	5,430,845	8,027,238

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

ROYALTY ON WILD PELTS

Year	Beaver Export	Beaver Tanners	Wild Export	Wild Tanners	Total Export	Total Tanners	Beaver	Wild Export	Wild Tanners	Total
1947	45,847	61	667,657	208,546	762,998	214,636	\$ 91,816	\$188,561	\$23,229	\$211,790
1948	20,083	19	714,941	286,308	862,700	294,017	.....	.....	.....	.....
1949	74,253	161	784,276	262,352	940,378	271,167	148,828	238,974	27,156	266,130
1950	65,600	128	758,371	173,519	909,079	181,723	131,456	219,949	18,075	238,024
1951	81,845	203	665,366	146,213	814,447	149,340	164,096	241,937	15,493	257,430
1952	105,503	266	773,562	185,869	922,868	188,847	211,538	300,321	19,556	319,877
1953	122,287	303	848,398	249,888	998,713	256,476	185,586	300,799	26,314	327,113
1954	105,071	290	780,147	236,525	908,990	240,441	158,071	268,823	25,430	294,253
1955	134,729	561	788,052	319,478	941,348	325,947	136,563	242,490	34,794	277,284
1956	111,663	537	604,077	182,531	769,027	190,566	113,200	196,956	20,767	217,723
1957	111,278	1,758	559,150	229,516	788,370	248,613	113,036	194,340	27,596	221,936
1958	140,930	333	657,062	134,103	879,779	149,779	141,263	224,921	9,407	234,328
1959	119,684	437	586,768	93,421	830,538	112,564	120,121	195,586	8,353	203,939
1960	109,757	1,478	588,120	82,973	821,984	106,374	111,235	188,562	6,950	195,512
1961	130,167	1,453	608,949	71,929	918,212	111,268	131,620	224,237	9,017	233,254
1962	135,949	1,685	569,249	58,034	897,511	115,734	137,634	217,870	5,999	223,869
1963	164,293	2,433	623,347	69,140	959,404	119,216	166,726	242,652	6,981	249,633
1964	135,791	48,182	530,863	212,060	903,688	276,678	183,973	198,473	72,874	271,347
1965	116,901	42,623	405,967	191,899	728,415	262,682	159,524	166,325	64,339	230,664
1966	99,719	49,689	430,514	293,950	835,687	371,919	149,408	146,612	77,732	224,344
1967	92,676	44,407	364,475	247,061	827,995	326,363	140,083	135,015	73,449	208,464

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

WOLF BOUNTY

Year	12 mts. and over \$ 10 each	Under 12 mts. \$ 5 each	Total Amount Paid	Timber	Brush	Pups	Total	Total Amount Paid
1947	959	73	\$9,735	1,440	1,182	42	2,664	\$59,275
1948	509	17	5,095	1,515	961	74	2,540	54,923
1949	592	67	6,035	1,581	1,062	84	2,727	57,977
1950	803	122	8,530	1,613	890	41	2,544	56,927
1951	453	47	4,645	1,405	651	44	2,100	46,457
1952	408	29	4,180	1,198	634	63	1,895	41,803
1953	662	57	6,805	1,313	739	68	2,120	46,550
1954	947	145	10,000	1,101	720	70	1,891	41,853
1955	1,126	99	11,590	1,075	620	41	1,736	38,703
1956	614	50	6,210	1,088	559	28	1,675	37,550
1957	611	50	6,225	1,195	486	71	1,752	38,950
1958	1,568	300	16,930	1,047	574	34	1,655	37,255
1959	1,084	116	11,145	1,169	606	49	1,824	41,589
1960	697	139	7,590	939	528	42	1,509	33,619
1961	401	46	4,150	1,320	761	57	2,138	48,766
1962	*328	*33	*3,405	1,136	794	68	1,998	44,510
1963	(Payment ended on July 27, 1961)			1,276	691	64	2,031	44,664
1964	....	....	.....	1,342	862	61	2,265	44,999
1965	....	....	.....	1,638	1,052	63	2,753	59,997
1966	....	....	.....	1,593	1,195	44	2,832	59,937
1967	....	....	.....	1,578	1,277	45	2,900	59,084

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Fox											
Blue.....	81	56	57	83	94	97	57	48	46	96	84
Cross.....	1	1	.....	.....	.....	.....	1	1	...	...	...
Pearl Platinum..	155	119	.....	.....	.....	.....	.....	...	...	...	...
Platinum.....	108	105	186	232	280	367	355	270	256	241	263
**Other Fox.....	6	7	12	13	14	9	...	...	7	6	2
*Silver.....	239	166	150	178	292	212	130	123	106	110	140
White Marked....	9	6	.....	.....	.....	.....	.....	...	...	...	...
Total Fox	599	460	405	506	680	685	543	442	415	453	489
Mink	101,721	109,936	119,299	130,294	142,600	154,626	164,901	178,814	188,005	204,073	219,124
Beaver.....	1	1	1	1	1	1	...	2	...	...	...
Fisher.....	12	12	8	2	2	1	1	4	4	4	3
Lynx.....	.....	.....	.....	.....	.....	.....	...	...	...	...	...
Marten.....	81	85	76	89	96	97	78	33	33	15	23
Muskrat.....	62	54	47	.....	.....	.....	...	10	52	...	...
Raccoon.....	43	43	33	24	22	20	13	8	2	1	...
Skunk.....	5	5	3	3	3	3	4	2	1	1	...
NO. OF FARMS.....	542	514	507	495	495	508	500	505	499	494	491

*Includes Standard and White Marked. **Includes Cross, Red and White

GAME BIRD HUNTING PRESERVES in year ending March 31, 1967

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie.....	16	1,855	3,744	11,340	8,763	298
Lake Huron.....	5	917	7,489	9,396	6,815	2,961
Lake Simcoe.....	3	850	5,408	4,249	2,373	...
Lindsay.....	5	628	1,600	2,959	2,142	162
Tweed.....	2	306	5,255	5,248	3,423	207
Kemptville.....	2	66	310	554	448	121
Sault Ste. Marie.....	1	177	1,520	1,230	626	...
Totals.....	34	4,799	25,326	34,976	24,590	3,749

COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1967

Districts	No. of Farms	PURCHASES			SALES				Stock on Hand
		Eggs	Chicks Poults	Adults	Dressed Birds	Eggs	Chicks Poults	Live Adults	
Lake Erie.....	31	656	9,675	976	3,539	704	52,246	11,946	2,858
Lake Huron.....	35	100	14,604	353	12,745	849	1,591	3,080	1,024
Lake Simcoe.....	18	5,024	3,525	901	3,849	136	1,784	1,119	383
Lindsay	9	50	1,725	...	1,354	...	20	146	168
Tweed.....	10	...	7,222	1,414	8,313	...	100	8	314
Kemptville.....	10	...	790	46	218	300	499	519	239
North Bay.....	1	...	...	...	4,000	...	...	...	...
Sault Ste. Marie.....	1	...	1,920	...	263	...	...	1,520	45
Totals.....	115	5,830	39,461	3,690	34,281	1,989	56,240	18,338	5,031

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	.....	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626	.....	60,658

*Includes Redemptions.

FISH DISTRIBUTED FROM PROVINCIAL HATCHERIES IN 1966

HATCHERY	F- Fry. A- Adult.	Y- One-year-old. Y2- Two-year old.	FISH DISTRIBUTED FROM PROVINCIAL HATCHERIES IN 1966				
			Smallmouth				TOTAL
			Brook Trout	Lake Trout	Rainbow Trout	Bass	
Chatsworth ...	19,940Fg 230,341Y		5,900Y	5,030Y	5,030Y	.....	261,211
Codrington....	23,630Y		.....	17,300Fg 3,150Y	.....	.....	44,080
Deer Lake.....	55,200Y		134,500Y	9,000Y	.....	1,303,112F	1,501,812
Dorion.....	325,400Fg 17,385Y		259,980Y	.....	.....	.....	607,300
	385Y2						
	4,150A						
Hill Lake.....	108,750Fg 116,500Y		77,581Fg 97,000Y	65,480F 13,520Fg	.....	.....	503,543
	23,100Y2		312A				
	1,100A						
Little Current	.....		.....	.....	.....	.....	19,845,000F
Midhurst.....	47,230Y		.....	7,000Y	.....	.....	54,230
Normandale....	32,350Y		.....	100,000EE	.....	.....	179,790
				47,440Y			
North Bay.....	112,750Y		80,000Y	.....	.....	.....	192,750
Pembroke.....	26,400Fg		11,900F	.....	.....	.....	267,786
	229,486Y			.....		
Port Arthur....	.....		90,000Fg	.....	.....	.....	90,000
Sandfield.....	150,500Y		49,450Y	1,000Y	.....	.....	292,110
Totals by size	480,490Fg 1,015,372Y		11,900F 167,581Fg	100,000EE 65,480F	.....	1,303,112F	19,845,000F
	23,485Y2		626,830Y	30,820Fg	.....	.....	.....
	5,250A		312A	72,620Y	.....	.....	.....
TOTAL	1,524,597		806,623	268,920	91,160	1,303,112	23,839,412

DISTRIBUTION OF HATCHERY FISH

----Number of Fish Planted in 000's

SPECIES	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
BASS, Largemouth.											
Fry.....	360	190	46	45	231	....	55	45	112	81	42
Fingerling.....	122	129	63	46	30	25	112	93	91	108	147
Yearling and Adult...	1	3	1	....	....	....	....	....	....	....	....
BASS, Smallmouth.											
Fry.....	803	468	130	89	156	230	147	134	52	58	36
Fingerling.....	369	132	133	227	178	270	177	288	239	231	216
Yearling and Adult...	19	1	5	....	1	1	....	....	....	....	....
BLUEGILLS											
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....
Adult.....	....	....	....	....	....	....	....	....	....	....	....
CHARR, French Alpine.											
Fingerling.....	21	....	....	....	....	....	....	....	....	....	....
Yearling.....	....	....	2	....	....	....	....	....	....	....	....
Adult.....	....	....	5	....	....	....	....	....	....	....	....
CHARR, Pennsylvania.											
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....
GRAYLING, Arctic.											
Yearling.....	....	....	....	26	....	....	....	....	....	....	....
HERRING											
Eggs.....	1,840	....	....	1,068	....	....	....	....	....	....	1,150
Fry.....	....	....	....	....	50	....	....	....	....	....	....
KOKANEE											
Eyed Eggs.....	....	....	....	....	....	....	....	....	....	683	923
Fry.....	....	....	....	....	....	....	....	....	....	1,609	943
Fingerlings.....	....	....	....	....	....	....	....	....	....	288	....

MASKINONGE

Fry.....	3,610	2,430	2,940	4,070	3,390	2,833	2,970	1,870	1,530	1,850	1,303
Fingerling.....	74	39	18	50	51	75	24	27	26	25	...
Adult.....	...	1	1	...	...	...	...	...	...	...	...

OUANANICHE

Eggs.....	...	...	...	...	...	...	53	...	...	...	...
Fry.....	1	...	...	...	...	...	...	1	15	...	...
Yearling.....	...	11	...	...	...	...	...	5	...	...	...
Adult.....	...	...	...	...	1	...	...	...	...	...	...

PICKEREL (Walleye)

Eggs.....	138,805	90,565	56,245	30,875	53,790	27,065	20,500	7,200	14,000	15,600	10,000
Fry.....	...	...	...	3,040	3,600	...	8,994	11,440	1,353	...	8,232
Fingerling.....	...	3	...	...	...	67	201	217	...	56	...
Adult.....	...	...	...	...	...	...	...	...	...	...	...

SALMON, Chum

Eggs.....	...	...	...	...	...	...	...	...	...	...	...
Fingerling.....	...	...	...	...	...	...	...	...	...	...	...

SALMON, Pink

Eggs.....	513	...	...	...	...	...	...	...	...	...	...
Fingerling.....	224	...	...	...	...	...	...	...	...	...	...

SPLAKE

Fingerling.....	...	16	...	...	...	...	...	...	...	...	...
Yearling.....	8	16	208	135	13	97	112	114	88	21	69
Adult.....	1	...	6	...	2	12	16	...

TROUT, Albino

Yearling.....	4	4	...
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TROUT, Aurora

Fingerling.....	2	2	...	1	4	...
Yearling.....	1	1

TROUT, Brown											
Eggs.....	8
Fingerling.....	36	29	22
Yearling.....	170	151	133	85	5	...	...	...	...	...	...
TROUT, Kamloops											
Eggs.....	13	10	26	...	**3	...	...	...	...	...	...
Fry.....	...	...	10	...	...	...	...	...	...	...	...
Fingerling.....	32	...	15	20	...	...	...	...	...	...	...
Yearling.....	123	78	95	95	...	...	...	...	...	...	...
Adult.....	...	...	32	1	...	...	...	...	...	...	...
TROUT, Lake											
Eggs.....	12	...	5	...	...	...	...	...	...	...	...
Fry.....	10	...	...	40	...	...	...	...	...	...	...
Fingerling.....	736	320	374	389	...	...	...	...	...	...	...
Yearling.....	39	...	832	653	...	...	...	...	...	...	...
2 Years and Up	...	...	9	...	...	...	...	...	...	...	...
TROUT, Rainbow											
Eyed Eggs.....	...	...	...	...	...	...	...	...	...	...	...
Fry.....	...	...	...	...	...	...	...	...	...	...	...
Fingerling.....	...	...	...	...	...	...	...	...	...	...	...
Yearling.....	...	...	...	...	...	...	...	...	...	...	...
2 Years and Up	...	...	...	...	...	...	...	...	...	...	...
TROUT, Brook											
Eggs.....	200	...	...	580	...	...	...	...	...	...	...
Fry.....	91	35	...	...	...	...	...	...	...	...	...
Fingerling.....	522	1,332	789	455	...	...	...	...	...	...	...
Yearling.....	2,677	2,092	2,079	1,807	...	...	...	...	...	...	...
2 Years and Up	10	19	10	84	...	...	...	...	...	...	...
WHITEFISH											
Eggs.....	51,178	13,435	30,940	1,000	12,000	13,875	...	...	...	...	...
Fry.....	11,130	67,275	47,515	44,985	62,993	53,685	46,575	46,350	27,090	24,030	19,845
TOTAL.....											
	212,410	180,704	142,682	89,880	140,342	102,623	84,401	72,042	48,042	49,294	47,024

COMMERCIAL FISHING EQUIPMENT

Year	Licences		Boats		Number of Nets				Seine Nets		Freez-ers & Ice Houses	Wharves and Piers	Net Sheds	Total Value \$000's
	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	00's yds				
1946	.....	.....	4,244	107	2,205	9,090	1,079	...	1,288	204	525	437	...	4,764
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	178	486	400	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	167	477	412	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	186	456	395	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	177	477	425	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	159	476	416	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	171	462	474	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	156	493	487	827	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	183	482	456	778	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	158	442	447	759	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	140	426	437	754	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	164	412	404	709	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	149	464	425	727	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	190	564	491	884	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	196	558	516	839	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	170	521	476	773	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	170	525	497	726	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	158	511	439	747	10,264
1964	1,088	4,786	2,952	229	1,587	9,110	873	512	1,889 ¹⁵	157	549	493	731	10,131
1965	1,072	4,647	2,544	223	1,660	9,256	866	521	2,002 ¹⁶	168	492	459	681	9,972
1966	1,064	5,316	2,445	229	1,419	9,489	764	493	1,820	191	465	431	663	10,327

*Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in 000' s lbs and \$000' s

SPECIES	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	Value
											1966
Bass, Rock; Crappies..	67	81	92	127	119	137	177	206	209	271	\$ 60
Bass, White.....	3,589	1,850	1,444	3,305	3,413	2,491	1,991	1,836	2,733	1,805	350
Bullheads.....	762	635	480	467	363	423	740	513	451	348	60
Carp.....	1,508	1,350	1,519	1,124	1,312	1,124	1,323	938	872	937	79
Catfish.....	272	330	319	321	244	314	300	287	243	273	69
Caviar.....	3	3	1	2	2	2	1	2	2	1	6
Chub; Tullibee.....	796	1,269	1,576	1,865	2,993	2,825	2,329	2,035	1,892	1,265	175
Eels.....	103	133	140	130	127	128	175	250	194	150	35
Gold Eyes.....	31	22	15	33	24	34	20	28	19	7	2
Herring; Ciscoe.....	1,996	1,917	2,947	2,227	1,853	2,630	2,374	1,993	1,603	1,184	63
Ling.....	354	484	432	614	638	623	615	600	404	343	3
Menominee, Pilots.....	23	26	24	63	22	31	20	70	66	58	10
Perch.....	12,068	16,299	19,968	12,774	18,628	21,659	18,725	9,635	19,465	21,151	1,913
Pickarel, Blue.....	6,398	833	50	5	2	.....	.....	.....	.....	...	...
Walleye (Pickarel)....	10,609	7,825	4,653	3,702	3,382	3,708	5,108	3,678	3,241	3,987	1,621
Pike, Northern.....	914	1,017	993	966	990	976	990	1,134	1,099	1,005	85
Saugers.....	103	174	112	85	105	131	136	141	76	59	13
Sheepshead.....	849	1,817	1,419	1,539	1,201	1,117	1,503	831	990	1,058	16
Sme lt.....	4,666	4,967	7,059	11,666	13,065	19,314	10,705	12,887	11,917	16,056	472
Sturgeon.....	174	243	179	184	195	133	132	98	94	86	105
Suckers.....	1,317	1,509	1,410	1,616	1,595	1,540	1,650	1,450	1,102	1,306	22
Sunfish.....	375	276	225	286	271	257	358	358	249	253	29
Trout, Lake.....	498	622	522	286	181	208	254	224	178	174	74
Whitefish.....	3,226	3,278	3,183	3,845	3,907	3,640	3,357	3,229	3,236	2,812	707
Miscellaneous.....	413	212	227	163	323	337	1,359	1,086	2,154	1,754	25
TOTAL.....	51,113	47,172	48,992	47,397	54,954	63,784	54,342	43,510	52,489	56,344	\$5,995

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230
1965	2,647	35,096	886	2,286	993	289	2,270	7,584	438	52,489	6,404
1966	1,625	41,426	939	1,958	751	209	1,846	7,010	580	56,344	5,995

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Walleye	Other	Total Catch	Total Value
1946	288	197	35	413	102	...	398	45	581	2,059	\$ 317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348
1964	167	270	246	38	...	128	125	66	975	2,015	285
1965	150	314	189	23	...	202	107	46	1,616	2,647	353
1966	123	302	143	36	...	141	57	44	779	1,625	220

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Walleye	Other	Total Catch	Total Value
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	\$3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530
1964	.....	2	8,351	752	12,735	1,723	3	599	1,216	25,381	2,377
1965	.....	...	18,603	898	11,711	2,611	...	346	927	35,096	3,319
1966	.....	...	20,698	940	15,914	1,757	6	991	1,120	41,426	3,105

Yield of Ontario Fisheries by Species --LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Walleye	Other	Total Catch	Total Value
1946	89	104	30	336	7	...	158	122	108	954	\$ 151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651
1964	1,442	9	1	602	6	98	320	286	254	3,018	711
1965	1,083	13	1	167	4	62	407	245	304	2,286	627
1966	653	4	.....	152	3	96	348	218	484	1,958	466

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White- Fish	Walleye	Other	Total Catch	Total Value
1946	46	25	21	696	25	1	246	44	188	1,292	\$ 332
1947	21	21	15	368	7	..	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164
1964	24	121	2	.....	11	3	232	93	249	735	190
1965	10	409	2	.....	11	2	171	72	316	993	234
1966	21	286	3	.....	7	1	157	41	235	751	171

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White-Fish	Walleye	Other	Total Catch	Total Value
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	\$ 639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271
1964	42	1,935	106	56	59	1	133	216	134	2,682	249
1965	63	1,553	102	18	18	2	135	291	88	2,270	283
1966	12	1,135	108	8	8	2	134	377	62	1,846	327

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000' s lbs and \$000' s

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Walleye	Other	Total Catch	Total Value
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	\$ 896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170
1964	28	117	1,033	78	58	430	2,324	2,047	1,823	7,938	1,047
1965	19	74	1,029	58	55	336	2,378	1,954	1,681	7,584	1,230
1966	7	66	935	51	44	315	1,976	2,048	1,568	7,010	1,314

FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees .. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J. M. Whalen was appointed Chief on June 14, 1963.

W. T. Foster was appointed Chief on November 20, 1967.

FOREST PROTECTION BRANCH

Chief: W. T. Foster

FOREST PROTECTION SECTION

Fire Prevention and Control
Forest Insects and Disease
Plant and Equipment
Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T. C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION*			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1950	1,624	1,937	3,561	\$ 16,244	\$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538	\$ 55,148	\$103,682
1951	29,401	188	29,590	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,357	1,427	9,764	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964	10,052	279	10,330	.....	.....	351,130	.....	.....	149,166	500,296	19,792
1965	.....	.....	2,158	.....	.....	235,325	.....	.....	151,525	386,850	254,105
1966	891	15	906	34,221	561	34,782	.....	.....	36,739	71,521	49,457
1967*	22,798	204	23,002	639,785	7,733	647,518	.....	.....	609,125	1,256,643	86,888

*Preliminary Report to December 1, 1967.

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Acres Per Fire
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

FOREST FIRE SUMMARY (Continued)

Year	NUMBER OF ACRES BURNED OVER			Number	Acres
	Crown	Private	Total	Of Fires	Per Fire
1966	8,453.	5,962	14,415	1,921	6
1967*	58,477	5,028	63,505	1,465	43

Honorary Fire Wardens

FOREST DISTRICTS

1967 SUMMARY*

301	Chapleau.....	5,871	19	309.0
336	Cochrane.....	709	34	20.9
222	Fort Frances....	500	61	8.2
366	Geraldton.....	13,229	22	601.3
27	Gogama.....	2,280	26	87.7
243	Kapuskasing.....	77	29	2.7
30	Kemptville.....	9	13	0.7
295	Kenora.....	1,590	192	8.3
..	Lake Erie.....	..	..	...
51	Lake Huron.....	4	7	0.6
46	Lake Simcoe.....	25	11	2.3
172	Lindsay.....	144	44	3.3
461	North Bay.....	244	81	3.0
409	Parry Sound.....	219	108	2.0
208	Pembroke.....	131	84	1.6
420	Port Arthur.....	628	126	5.0
242	Sault Ste. Marie	23,647	80	295.6
164	Sioux Lookout...	11,224	137	81.9
422	Sudbury.....	1,499	207	7.2
336	Swastika.....	595	41	14.5
114	Tweed.....	670	112	6.0
236	White River.....	210	31	6.8
5,173	Totals	63,505	1,465	43.3

MONTHS

April.....	718	140	5.1
May.....	3,258	409	8.0
June.....	57,708	330	174.9
July.....	656	224	2.9
August.....	91	137	0.7
September.....	242	172	1.4
October.....	832	53	15.7
November.....	...	..	...

*Preliminary Report to December 1, 1967.

CAUSES OF FOREST FIRES

GENERAL CAUSES	1963	1964	1965	1966	1967
Recreation.....	811	601	404	719	566
Resident.....	313	244	204	223	202
Incendiary.....	36	36	15	18	32
Railways.....	93	75	118	117	177
Industry (Forest).....	8	19	20	15	14
Industry (Other).....	69	56	54	73	35
Miscellaneous (Known).	216	198	191	205	229
Unknown.....	20	9	10	12	13
Lightning.....	319	591	202	539	197
TOTAL, Fires.....	1,885	1,829	1,218	1,921	1,465

SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1962	1963	1964	1965	1966
Smoking Material	517	636	476	329	510
Camp Fire.....	233	320	246	149	302
Matches.....	112	142	110	117	153
Fireworks.....	8	13	18	55	35
Explosives.....	..	2	..	2	2
Fusee.....	..	7	8	5	6
Prescribed Burning....	..	..	4	..	2
Dump Live Ashes, Coals	..	..	5	..	2
Burning Grass.....	37	71	50	45	33
Burning Brush.....	41	61	47	29	42
Burning Rubbish.....	36	57	60	52	46
Burning Garbage Dump..	28	36	33	34	48
Burning Bulld'zd Pile.	6	11	4	5	4
Burning Sawdust Pile..	2	..	1	2	4
Burning Ties.....	8	3	3	2	6
Burning Right of Way..	22	22	17	9	11
Locomotive, Diesel....	17	11	14	29	14
Locomotive, Steam.....	0	1	..	..	..
Brake Shoe.....	8	22	8	40	56
Hot Box.....	1	0	1	..	..
Power Saw.....	7	3	2	3	4
Mechanical Equipment..	17	6	13	14	16
Power Line (Short)....	22	16	29	21	10
Sparks from Chimney...	5	11	9	7	2
Sparks from Burner....	6	9	3	7	2
Structural Fire.....	16	24	26	18	29
Miscellaneous (Known).	19	23	..	8	15
Unknown.....	58	59	51	34	28
Lightning.....	295	319	591	202	539
TOTAL, Fires.....	1,521	1,885	1,829	1,218	1,921

CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1962	1963	1964	1965	1966
RECREATION					
Fisherman.....	227	255	221	164	256
Hunter.....	22	181	81	10	40
Canoeist.....	8	13	16	6	4
Camper.....	57	58	58	27	77
Picnicker.....	46	29	20	21	21
Berry Picker.....	132	100	50	40	107
TRAVELLER					
Car Passenger.....	86	123	92	75	125
Hiker.....	..	16	53	32	52
Train Passenger.....	7	5	26	2	23
Guided Party.....	2	..	4	..	..
RESIDENT					
Farmer.....	38	71	45	22	29
Rural Resident.....	61	110	97	99	71
Urban Resident.....	11	17	12	24	17
Private Cottager.....	73	68	63	34	47
Resort Owner.....	6	7	11	2	9
Indian (on Reserve)...	2	23	13	9	9
VOCATION					
Trapper.....	11	9	1	1	..
Prospector.....	2	4	1	5	1
Timber Cruiser.....	..	..	..	..	..
Land Survey Party....	1	2	1	2	2
Military.....	..	..	2	..	1
EMPLOYEE OF:-					
Woods Industry.....	22	11	19	18	14
Mining.....	6	5	1	7	8
Pipeline.....	..	1	1	..	1
Hydro.....	27	28	37	17	21
Telephone.....	2	2	1	3	..
Highway or Road.....	10	8	6	7	3
R.R. Section Crew....	17	25	21	12	11
R.R. Train Crew.....	39	55	31	80	62
R.R. Work Crew.....	8	3	5	12	10
Other Industry.....	17	12	11	6	12
Lands and Forests....	..	..	1	1	3
Other Prov. Govt.....	..	..	1	1	..
Federal Government...	..	..	1	..	2
Municipality.....	2	2	14	7	11
MISCELLANEOUS					
Children.....	139	190	121	198	212
Youth Groups.....	7	18	15	8	2
Miscellaneous (Known)	..	6	..	11	24
Unknown.....	138	106	85	53	95
TOTAL, Man-Caused Fires	1,226	1,566	1,238	1,016	1,382
Percentage of All Fires	81	83	68	83	72

DETECTION OF FOREST FIRES

MEANS OF DETECTION	1963	1964	1965	1966	1967
Lands & Forests Towers..	620	611	417	560	354
Lands & Forests Aircraft	206	178	66	189	164
Commercial Aircraft.....	97	55	46	123	64
Private Aircraft.....	19	34	3	13	18
Lands & Forests Personnel	92	116	67	96	92
Other Prov.Govt. Employees	27	41	35	68	47
Public.....	824	794	584	872	726
TOTAL, Fires.....	1,885	1,829	1,218	1,921	1,465

SIZES OF FOREST FIRES

AREA BURNED OVER	1963	1964	1965	1966	1967
Up to 1/4.....Acres	693	845	572	998	630
Over 1/4 to 10.....Acres	955	829	560	834	712
Over 10 to 100.....Acres	198	122	70	70	99
Over 100 to 500.....Acres	30	22	13	14	16
Over 500.....Acres	9	11	3	5	8
TOTAL, Fires.....	1,885	1,829	1,218	1,921	1,465

PROSECUTIONS	1963	1964	1965	1966	1967
Prosecutions.....	71	22	37	28	31
Convictions.....	65	22	34	26	27

FOREST PROTECTION PERMITS

Year	Fire Permits	WORK PERMITS		TRAVEL PERMITS	
		Permits	Men	Permits	Persons
1926	13,466	.....	.....	.....	.....
1927	13,593	.....	.....	6,548	15,669
1928	13,611	.....	.....	15,406	42,566
1929	14,038	.....	.....	20,738	51,443
1930	15,094	.....	.....	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	.....	.....	9,774	28,606
1936	18,964	.....	.....	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,354
1965	22,560	4,528	41,848	77,442	256,157
1966	25,021	4,103	38,241	86,525	316,479

REPORT OF MAJOR EQUIPMENT as of March 31, 1967

LOCATIONS	Portable Pumps	Fire Hose 00's	Blank- ets	Tents	Sleep- ing Bags	Bln- ocu- lars	Canoes	Boats Not Mfr.	In- bd.	Out- board Motors	Motor Vehi- cles	Trail- ers	Trac- tors	Rayway Mr. Cars	*S	*V	*B
DISTRICTS																	
Chapleau.....	40	225	1,466	2,638	117	52	22	43	12	..	33	9	5	..	..	..	..
Cochrane.....	50	375	1,377	2,356	142	101	37	38	14	4	33	12	6	7	5	..	..
Fort Frances....	36	213	1,110	1,364	101	99	124	36	30	3	24	14	4	..	4	..	..
Geraldton.....	52	544	2,031	2,413	174	83	32	40	22	2	46	10	6	4	2	..	..
Gogama.....	35	178	1,299	1,370	81	41	21	37	14	1	27	8	8	4	3	..	..
Kapuskasing.....	41	403	1,276	1,482	124	35	30	44	11	..	36	14	6	6	4	..	..
Kemptville.....	14	139	308	37	5	27	19	2	27	1	21	20	18	..	4	..	..
Kenora.....	61	312	1,623	1,651	130	87	22	41	30	3	37	13	10	..	4	..	..
Lake Erie.....	10	117	242	47	..	37	38	2	24	6	21	18	14	..	..	..	..
Lake Huron.....	14	216	307	74	7	7	23	6	18	1	45	26	11	..	1	..	..
Lake Simcoe.....	27	369	682	273	10	8	48	6	29	..	33	20	30	..	4	..	..
Lindsay.....	57	318	1,255	619	41	41	31	26	42	..	60	33	18	..	4	..	..
North Bay.....	44	290	984	1,999	112	98	35	68	45	..	50	9	5	..	4	..	..
Parry Sound.....	42	231	1,437	801	69	94	36	43	51	2	55	19	6	..	5	..	..
Pembroke.....	40	320	1,035	1,806	112	113	22	97	51	..	58	16	10	5	1	..	..
Port Arthur.....	74	497	2,356	2,485	171	131	37	53	26	..	44	14	12	..	3	1	1
Sault. Ste. Marie	64	692	2,759	3,034	183	147	23	59	19	1	73	25	2	..	6	..	..
Sioux Lookout...	70	473	2,332	2,544	246	80	19	51	34	1	72	9	2	..	5	..	..
Sudbury.....	60	323	3,089	2,192	121	91	41	58	32	6	52	17	5	1	3	..	2
Swastika.....	45	252	1,263	1,672	89	125	26	36	28	..	26	21	7	..	2	..	..
Tweed.....	37	222	922	577	54	44	43	14	47	1	56	20	5	..	5	..	..
White River.....	41	200	1,442	1,727	96	36	16	52	16	1	29	11	4	..	3	..	..
North-Western...	51	231	1,348	1,087	92	2	..	..	..	..	..	..	..	..	..	..	..
North-Eastern...	53	327	1,743	1,952	124	5	..	1	1	..	2	1	..	..	1	..	..
Southern.....	..	...	26	33	..	17	..	..	..	..	..	..	..	..	..	..	..
Air Service.....	..	...	...	...	...	122	..	1	2	..	5	2	3	..	..	..	..
O.F.T.S.....	13	33	148	667	2	1	3	22	6	..	7	4	4	..	..	..	..
Head Office***	9	..	3	98	149	117	31	21	30	..	63	15	9	..	2	..	..
OTHERS																	
TOTALS.....	1,080	7,560	33,889	36,978	2,552	1,811	779	897	671	32	983	376	210	27	79	1	3

*S- Snow Vehicles; V- Velocipedes; B- Barges. **Ontario Forest Technical School. ***Includes Research Branch.

MAJOR EQUIPMENT As of March 31st

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Portable Power Pumps	1,218	1,215	1,255	1,396	1,271	1,225	1,201	1,145	1,117	1,053	1,115	1,080
Portable Hand Pumps.	7,907	7,899	8,712	8,336	8,344	8,237	7,977	8,159	7,873	7,865	7,568	7,560
Hose (000's Feet)...	3,319	3,312	3,890	3,551	3,712	3,664	3,483	3,230	3,424	3,212	3,517	3,389
Tents.....	2,376	2,469	2,438	2,483	2,391	2,433	2,618	2,542	2,618	2,502	2,510	2,552
Sleeping Bags.....	1,506	1,538	1,597	1,671	1,739	1,750	1,780	1,828	1,764	1,876	1,705	1,811
Blankets.....	31,582	29,288	29,505	29,024	30,540	31,946	33,756	36,075	37,033	38,071	39,896	36,978
Binoculars.....	642	609	615	647	659	661	668	691	676	718	813	779
Canoes.....	1,087	1,073	1,052	1,005	954	930	922	868	859	816	878	897
Boats (Outboard)....	434	459	493	519	534	538	568	570	584	652	584	671
Motors (Outboard)....	771	771	800	785	809	807	834	837	841	884	910	983
Boats (Inboard).....	64	60	59	48	44	42	31	40	38	33	38	32
Barges and Scows....	.....	4	6	7	6	9	6	5	5	6	3	3
Trucks and Autos....	786	751	861	918	905	945	949	967	988	979	1,006	1,070
Trailers.....	141	166	205	249	263	277	282	302	305	325	346	376
Tractors.....	121	134	312	186	184	194	198	214	211	216	181	210
Railway Motor Cars..	47	46	44	44	42	41	42	38	36	35	31	27
Velocipedes.....	.....	24	24	22	20	18	16	16	14	13	4	1
Snowmobiles.....	8	10	14	10	13	14	16	22	29	40	43	79
Radio Sets, Stations	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605
Steel Towers.....	288	292	302	308	315	318	323	323	323	323	323	323

DEPARTMENT RADIO STATIONS

DISTRICT	STATION	CALL SIGN	NORMAL OPERATING FREQUENCIES	
			H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances	XLN21	4460	46.62
	Lac La Croix	XLN22	"	"
	Atikokan	XLQ71	"	"
	Rainy River	XLR59	"	"
	French Lake	XMN23	"	"
	Nym Lake	XLN234	"	"
	Cache Bay	XLN233	"	"
	Prairie Portage	XLN232	"	"
	Cabin 16	XLN29	"	"
	Beaverhouse Lake Cabin	XLN275	"	"
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	"	"
	Sioux Narrows	XLR42	"	"
	Dryden	XLN35	"	"
	Nestor Falls	XLN24	"	"
	Vermillion Bay	XLS87	"	"
	Cedar Lake	XLQ75	"	"
SIOUX LOOKOUT	Sioux Lookout	XLN37	4460	46.86
	Red Lake	XLN43	"	"
	Pickle Lake	XLN38	"	"
	Ear Falls	XMN50	"	"
	Big Trout Lake	XLR62	"	"
	Ignace	XLN23	"	"
PORT ARTHUR	Port Arthur	XLN45	4580	46.70
	Shebandowan	XLN47	"	"
	Black Sturgeon Lake	XLN48	"	"
	Upsala	XLN217	"	"
	Saganaga Lake	XLN218	"	"
	Dorion	XMN78	"	"
	Armstrong	XLN40	"	"
	Sibley Park	XLN285	"	"
	Nipigon	XLN293	"	"
	Marks Lake	XLN294	"	"
	Madelaine Lake	XLN295	"	"
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	"	"
	Marathon	XLN54	"	"
	Killala Lake	XLN55	"	"
	Hillspport	XLQ46	"	"
	Nakina	XLS53	"	"
	Longlac	XLS52	"	"
	Macdiarmid	XLN49	"	"
WHITE RIVER	White River	XLQ78	4880	46.62
	Franz	XLN62	"	"
	Wawa	XLN63	"	"
	Movert	XLN61	"	"
	Manitouwadge Lake	XMN25	"	"
	Cupa (Copper) Lake	XL083	"	"

SAULT STE. MARIE	Sault Ste. Marie	XLN58	4880	46.78
	Blind River	XLN65	"	"
	Ranger Lake	XLN261	"	"
	Elliot Lake	XLN264	"	"
	Peshu Lake	XLQ41	"	"
	Pancake Bay	XLR39	"	"
	Kirkwood	XLP44	"	"
	Mount Lake	XLR69	"	"
	Redrock	XLN64	"	"
	Agawa Bay	XL043	"	"
	Mijin Lake	XL024	"	"
GOGAMA	Gogama	XLN78	4880	46.82
	Elsas	XLN79	"	"
	Foleyet	XLN84	"	"
	Opishing Lake	XLN42	"	"
	Ronda	XLP69	"	"
	Marne Lake	XLN283	"	"
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	"	"
	Sultan	XL073	"	"
	Biscotasing	XLN80	"	"
	Unegam Lake	XLN205	"	"
	Racine Lake	XMN77	"	"
	Wrong Lake	XLP46	"	"
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XLQ80	"	"
	Espanola	XLQ44	"	"
	Jamot	XLR30	"	"
	Massey	XLR29	"	"
	Windy Lake	XLR67	"	"
	Southbaymouth	XLS86	"	"
	Sandfield	XLR68	"	"
	Stinson	XLN239	"	"
	Fairbank Lake	XLN39	"	"
	George Lake	XLS85	"	"
	Little Current	XMN24	"	"
	Panache Lake	XLN279	"	"
KAPUS- KASING	Kapusking	XLP78	4535	46.86
	Hearst	XLN69	"	"
	Hornepayne	XLN73	"	"
	Oba	XLN74	"	"
	Nagogamisis Lake	XLN237	"	"
	Remi Lake Park	XLN288	"	"
	Rogers Township	XLR71	"	"
COCHRANE	Cochrane	XLQ37	4535	46.78
	Timmins	XLN70	"	"
	Eades	XLN71	"	"
	Wade Lake	XLQ45	"	"
	Moosonee	XMN43	"	"
	Smooth Rock Falls	XLQ76	"	"
	Nellie Lake	XLN208	"	"
	Kettle Lakes Park	XLN209	"	"

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	"	"
	Matheson	XLS54		"
	Larder Lake	XLN95		"
	Matachewan	XLN60		"
	Gowganda	XL090		"
	Hills Lake	XL089		"
	Englehart	XLR64		"
	Burt Twp. Nursery	XLN212		"
NORTH BAY	North Bay	XLN83	"	"
	Temagami	XLN81	"	"
	Lady Evelyn Lake	XLN42		"
	McConnell Lake	XLN246		"
	Bear Island	XLN251		"
	Haddo	XLP45		"
	Devils Lake	XLN253		"
	Samuel de Champlain	XLN270		"
	Marten River	XLN274		"
PEMBROKE	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	"	
	Brent	XLN91	"	
	Stonecliffe	XLN94	"	"
	Whitney	XLQ43	"	"
	Achray	XLQ47	"	"
	Round Lake	XLR40	"	"
	Kiosk	XLN50	"	"
	Sasajewun Lake	XLN51	"	
	Swan Lake	XLN59	"	
PARRY SOUND	Parry Sound	XLN89	4520	46.62
	Loring	XLN93		"
	Powassan	XMN35		"
	Byng Inlet	XLS24		"
	Ardbeg	XMN33		"
	Dorset	XMN34		"
	Bracebridge	XMN75		"
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50		"
	Palmer Rapids	XLR41		"
	Dacre	XLS23		"
	Plevna	XLN53		"
	White Lake	XLP75		"
	Napanee	XLQ31		"
	Green Lake	XLR61		"
	Bon Echo Park	XLN286		"
	Outlet Park	XL098		"
	Kingston	XLP33		"
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	"	"
	Gooderham	XMN27	"	"
	Orono	XMN29		"
	Haliburton	XLR43	"	"
	Presqu'ile Park	XLN46		"

LINDSAY (Continued)	Apsley	XMN44	4775	46.78
	Ranger School	XLN25	"	"
	Darlington Park	XLN280		"
	Balsam Lake Park	XLN289		"
KEMPTVILLE	Kemptville	XMN41	4775	46.62
	La Rose	XMN51		"
	Westport	XLQ54		"
	Fitzroy Park	XLN272		"
	Lanark	XL087		"
	Alexandria	XLQ28		"
LAKE ERIE	Aylmer	XL052	4520	46.62
	Holiday Beach Park	XLN267	"	"
	Wheatley	XLN268	"	"
	St. Williams	XMN28	"	"
	Rondeau Park	XLR60	"	"
	Pinery Park	XLP90	"	"
LAKE SIMCOE	Coldwater	XMN36		46.82
	Severn Falls	XMN37		"
	Honey Harbour	XMN39		"
	Six Mile Lake	XLR85		"
	Angus	XLN269		"
	Sibbald Point Park	XLN284		"
	Bass Lake Park	XLN287		"
LAKE HURON	Hespeler	XLN271		46.70
	Miller Lake	XLN276		"
	Owen Sound	XLN41		"
	Inverhuron Park	XLN61		"
HEAD OFFICE Toronto	Island Airport	XL053	4775	46.82
	Maple Laboratory	XLN20	"	"
	Maple	XLP22	3376	46.62
			4520	46.70
			4535	46.74
			4775	46.78
			4880	46.82
			5170	46.86
			5499	
			9172	

Maple frequently uses 5170 and 9172 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s.
V.H.F.--46.74 Mc/s.

DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

NEW POLICIES

[illegible]

AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on ten Otters, 23 Turbo Beavers and one Twin Otter in 1967.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-three have been acquired, replacing standard Beavers which have been sold. Two Twin Otters have been acquired.

The Section currently operates and maintains a fleet of 42 aircraft to meet flying requirements of the Department and special needs of other Government Departments.

Air Service Summary --

HOURS FLOWN

in years ending March 31st

YEAR	Fire Ranging	Timber	Fish and Wildlife	Surveys	Lands	Parks	*Research	Inter-Dept.	Photo	Mercy Flights	Miscellaneous	TOTAL
1924-1949	88,732	4,182	2,985	...	...	...	1,030	...	1,415	361	75,674	174,378:35
1950	6,925	605	1,645	...	110	...	...	278	...	...	3,968	13,530:45
1951	4,210	938	2,029	...	283	...	303	232	...	64	2,998	11,057:10
1952	5,498	903	2,086	...	153	...	360	188	273	168	3,171	12,800:20
1953	5,278	674	1,980	97	149	...	266	150	280	56	2,959	11,888:50
1954	6,302	982	1,972	124	376	...	386	574	186	53	2,609	12,564:10
1955	5,095	1,048	2,362	181	246	...	284	398	244	34	2,497	12,388:30
1956	11,396	835	2,333	128	181	...	192	458	130	55	2,077	17,785:10
1957	5,347	986	2,289	72	180	...	199	384	148	34	2,053	11,692:20
1958	5,652	801	2,837	23	190	310	212	327	24	44	2,086	12,506:20
1959	4,275	876	3,615	15	200	272	189	421	...	39	2,376	12,277:35
1960	4,053	883	3,569	11	209	345	228	475	...	42	2,169	11,984:00
1961	4,914	965	3,455	4	267	255	200	470	...	72	1,967	12,568:30
1962	7,130	799	3,628	...	260	266	170	370	...	33	1,830	14,485:45
1963	4,169	923	3,862	...	230	386	201	454	...	20	2,297	12,541:45
1964	5,837	1,125	3,876	8	301	476	205	560	...	24	2,389	14,801:00
1965	4,467	1,267	3,579	...	271	347	239	350	...	25	2,702	13,247:15
1966	3,243	1,088	3,443	...	418	282	255	396	...	22	3,603	12,750:00
1967	4,148	1,267	3,762	...	470	298	364	562	...	25	3,857	14,752:40
Total:	186,671	21,147	55,307	663	4,494	3,237	5,283	7,047	2,700	1,171	123,281	411,000:40

*Research includes Entomology.

Hours Flown by **HELICOPTERS** (Leased and Contract)
in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40

Hours Flown by **COMMERCIAL AIRCRAFT** (Leased)
in years ending March 31st.

1967	1,565	22	200	127	1,913.40
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AIR SERVICE SUMMARY

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Personnel Carried	Effective Loads Carried	
				Tons	Pounds
1924- 1949	..	165,583	89,206	27,233	1,067
1950	..	30,687	5,918	3,982	76
1951	..	27,140	5,140	3,366	1,111
1952	..	30,439	5,410	3,663	1,616
1953	..	25,900	5,346	3,078	1,262
1954	..	31,109	7,245	3,918	605
1955	..	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
Total:	..	712,090	186,956	113,772	717

AIRCRAFT SERVICE RECORD, March 31, 1967

50 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1966-67	FLYING HOURS	
			1966-67	1924-67
24 BEAVER				
CF-0BS	1948	62	365:55	6,848:05
CF-0CA	1948	..	130	4,978:45
CF-0CB	1948	102	380:35	6,492:55
CF-0CD	1949	112	340:25	5,241:05
CF-0CE	1949	169	385:25	6,277:20
CF-0CG	1949	186	323:35	4,769:30
CF-0CH	1949	102	388:40	5,521:25
CF-0CK	1949	55	137:10	5,330:25
CF-0CL	1949	64	285:45	4,853:50
CF-0CN	1949	9	309:10	5,900:35
CF-0CP	1949	85	328:10	6,635:10
CF-0CT	1949	81	327:10	6,127:25
CF-0CV	1950	100	352:50	5,202:45
CF-0CX	1950	56	221:45	5,055:00
CF-0CZ	1950	77	267:05	4,015:00
CF-0DA	1951	2	17:45	4,368:40
CF-0DB	1951	98	353:20	5,537:55
CF-0DC	1951	125	476:15	6,435:00
CF-0DD	1951	77	232:30	2,621:25
CF-0DE	1951	88	334:50	4,405:15
CF-0DF	1952	135	266:10	4,439:10
CF-0DG	1952	62	300:25	5,618:55
CF-0DO	1955	58	227:05	1,367:05
CF-0DS	1956	119	472:10	1,655:05
10 OTTER				
CF-0DJ	1953	199	489:10	4,525:25
CF-0DK	1953	496	363:20	3,595:50
CF-0DL	1953	126	325:10	4,131:05
CF-0DP	1956	266	244:25	2,973:35
CF-0DQ	1956	166	342:35	3,475:30
CF-0DU	1960	701	265:20	2,128:40
CF-0DV	1961	297	336:30	2,918:05
CF-0DW	1961	336	403:00	2,103:25
CF-0DX	1962	359	351:30	1,524:05
CF-0DY	1962	719	283:05	1,177:15
WIDGEON				
CF-0DR	1956	20	241:40	2,382:35
14 TURBO-BEAVER				
CF-0EA	1965	110	426:25	877:55
CF-0EB	1965	66	355:40	595:35
CF-0EC	1966	91	365:35	627:15
CF-0ED	1966	70	321:00	740:40
CF-0EE	1966	169	457:15	807:30
CF-0EF	1966	92	406:50	655:10
CF-0EH	1966	57	291:15	291:15
CF-0EI	1966	33	258:55	258:55
CF-0EJ	1966	6	11:45	11:45
CF-0EK	1966	69	261:35	261:35
CF-0EL	1966	34	175:50	175:50
CF-0EM	1966	22	175:35	175:35
CF-0EN	1966	22	110:30	110:30
CF-0EO	1967	15	116:20	116:20
TWIN OTTER				
CF-0EG	1966	38	277:45	277:45
Other Aircraft.....		...	.....	254,353:50
TOTAL.....		6,600	14,752:40	410,970:40

PILOTS' FLYING TIME March 31, 1967

PILOTS	1924-66	1966-67	TOTAL
Allen, D.S.	4,640:10	362:20	5,002:30
Ayers, N.	-	173:00	173:00
Ballantyne, G.E.	3,338:35	345:45	3,684:20
Beaushene, G.D.	5,333:10	471:00	5,804:10
Bieck, A.H.	3,136:45	439:15	3,576:00
Burt, A.E.	9,711:35	337:05	10,048:40
Calver, D.R.	4,727:00	334:50	5,061:50
Campbell, G.E.	6,974:50	495:05	7,469:55
Colfer, A.P.	9,265:45	535:20	9,801:05
Cooke, T.C.	8,631:55	172:30	8,804:25
Cram, W.W.	2,352:50	314:35	2,667:25
Croal, D.M.	3,829:20	433:15	4,262:35
Culliton, J.E.	1,396:50	46:40	1,443:30
Denley, J.G.	8,622:25	301:55	8,924:20
Evans, J.B.	5,698:55	333:00	6,031:55
Fiskar, U.W.	5,763:00	15:25	5,778:55
Good, S.D.	251:40	354:25	606:05
Glennie, N.S.	4,172:50	316:00	4,488:50
Hoar, H.S.	3,790:30	286:20	4,076:50
Hoeberg, P.S.	4,739:30	599:00	5,338:30
Howe, F.R.	568:55	305:30	874:25
Kachanovsky, J.	-	248:45	248:45
Kirk, C.J.	5,884:45	269:30	6,154:15
Lamont, J.A.	5,011:10	387:20	5,398:30
Lefevre, C.J.	10,702:45	395:55	11,098:40
Lowe, B.	2,539:00	356:20	2,895:20
Marych, E.	576:25	360:10	936:35
MacDougall, F.A.	5,579:25	4:05	5,583:30
McLellan, D.	-	159:30	159:30
McLeod, A.A.	336:55	331:50	668:45
McLeod, A.K.	396:50	641:40	1,038:30
McNabb, D.D.	557:05	507:55	1,065:00
Moore, K.	-	246:25	246:25
North, D.H.	2,320:20	504:20	2,824:40
Parsons, R.	8,356:00	254:40	8,610:40
Pike, S.J.	2,271:55	201:50	2,473:45
Siegel, J.	6,510:40	308:15	6,818:55
Speight, H.C.	9,985:30	447:30	10,433:00
Taylor, J.M.	3,770:00	43:55	3,813:55
Thomas, E.	4,794:55	343:35	5,138:30
Thompson, F.J.	4,154:55	533:20	4,688:15
Turcotte, L.J.	2,730:55	418:20	3,149:15
Weisflock, E.J.	688:20	534:25	1,222:45
Other Pilots	223,044:15	280:50	223,325:05
TOTAL HOURS	397,159:05	14,752:40	411,911:45

BASE	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
*Algonquin Park.	8 May	19 April	2 April	17 May	29 April	24 April	21 April	29 April	21 April	11 May	25 April
*Biscotasing....	17 May	28 April	7 May	20 May	.....	.....	.....	.....	.....	.....	.....
*Carey Lake.....	.....	.....	.....	.....	.....	10 May	15 May	18 May	30 April	27 May	7 May
*Caribou Lake...	3 June	19 May	9 May	1 June	21 May	7 May	14 May	24 May	1 May	1 June	13 May
*Chapleau.....	.....	8 May	10 May	16 May	30 April	8 May	8 May	7 May	22 April	14 May	3 May
Eva Lake.....	16 May	8 May	1 May	20 May	10 May	30 April	29 April	17 May	28 April	16 May	6 May
*Fort Frances...	20 May	11 May	30 April	24 May	7 May	1 May	4 May	13 May	27 April	16 May	29 April
*Geraldton.....	.....	14 May	4 May	20 May	9 May	5 May	7 May	18 May	27 April	17 May	7 May
*Gogama.....	14 May	27 April	30 April	8 May	24 April	23 April	29 April	3 May	22 April	14 May	1 May
*Ignace.....	20 May	10 May	3 May	22 May	9 May	1 May	5 May	18 May	28 April	16 May	6 May
Kenogami Lake..	.....	.....	.....	.....	10 May	2 May	7 May	9 May	26 April	22 May	10 May
*Kenora.....	20 May	8 May	3 May	22 May	10 May	1 May	7 May	18 May	27 April	17 May	6 May
Lauson Lake.....	.....	.....	.....	.....	.....	.....	18 April	28 April	19 April	7 May	29 April
*Oba Lake.....	27 May	5 May	10 May	8 May	8 May	8 May	10 May	15 May	28 April	16 May	9 May
*Orient Bay.....	12 June	18 May	12 May	23 May	16 May	7 May	8 May	21 May	1 May	1 June	13 May
Parry Sound....	6 May	12 May	13 April	27 April	17 April	23 April	30 March	20 April	18 April	3 May	28 April
*Pays Plat.....	14 May	8 May	7 May	18 May	8 May	2 May	6 May	11 May	4 May	15 May	6 May
*Pickle Lake....	2 June	18 May	9 May	3 June	17 May	7 May	13 May	2 June	6 May	1 June	13 May
*Port Arthur....	16 May	3 May	30 April	19 May	2 May	22 April	30 April	7 May	22 April	30 April	9 May
Red Lake.....	26 May	13 May	3 May	29 May	15 May	3 May	8 May	21 May	28 April	19 May	29 April
Remi Lake.....	2 June	10 May	4 May	23 May	3 May	2 May	13 May	19 May	29 April	21 May	6 May
*Sault Ste. Marie	30 April	14 April	7 April	6 April	9 April	7 April	27 March	13 April	19 April	3 May	29 April
*Sioux Lookout..	20 May	12 May	1 May	27 May	12 May	3 May	7 May	20 May	27 April	19 May	10 May
South Porcupine	27 May	1 May	3 May	19 May	30 April	1 May	5 May	5 May	27 April	15 May	6 May
*Sudbury.....	14 May	27 April	25 April	12 April	25 April	28 April	20 April	29 April	19 April	19 May	1 May
Temagami.....	17 May	27 April	20 April	15 May	1 May	1 May	28 April	4 May	26 April	17 May	3 May
*Toronto.....	.....	.....	.....	.....	.....	30 April	21 April	18 April	22 April	20 April	22 April
Tweed.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Twin Lakes.....	8 June	14 May	12 May	30 May	1 May	16 May	13 May	22 May	6 May	17 June	10 May
White River....	.....	.....	.....	.....	.....	.....	11 May	18 May	29 April	21 May	10 May

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base

BASE	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
*Algonquin Park...	23 April	5 May	2 May	4 May	3 May	24 April	7 May	15 May	25 May	23 May
*Carey Lake.....	9 May	12 May	23 May	10 May	13 May	9 May	13 May	17 May	26 May	30 May
*Armstrong.....	15 May	15 May	22 May	24 May	25 May	20 May	11 May	7 May	1 April	2 May
*Chapleau.....	24 April	4 May	11 May	4 April	7 May	29 April	1 May	4 May	6 May	24 April
*Fort Frances...	18 April	28 April	4 May	1 May	1 May	25 April	4 May	4 May	1 April	16 May
*Geraldton.....	5 May	10 May	18 May	11 May	16 May	7 May	7 May	11 May	16 July	3 May
*Gogama.....	28 April	6 May	5 May	10 May	7 May	1 May	1 May	7 May	.....	.....
*Ignace.....	2 May	8 May	12 May	11 May	11 May	8 May	8 May	13 May	.....	.....
*Kenogami Lake..	4 May	12 May	18 May	13 May	10 May	8 May	4 May	12 May	19 May	11 May
*Kenora.....	15 April	30 April	12 May	11 May	9 May	6 May	8 May	3 May	6 April	5 May
*Lauzon Lake....	17 April	20 April	2 May	26 April	26 April	22 April	30 April	4 May	25 April	27 April
*Nym Lake.....	2 May	8 May	12 May	12 May	16 May	8 May	8 May	11 May	29 May	15 May
*Oba Lake.....	4 May	11 May	23 May	11 May	15 May	.....	.....	.....	.....	.....
*Parry Sound....	21 April	27 April	27 April	26 May	25 April	22 April	23 April	4 May	2 April	29 April
*Pays Plat.....	2 May	8 May	12 May	10 May	11 May	23 April	8 May	11 May	9 May	6 May
*Pembroke.....	.....	.....	.....	4 May	26 April	23 April	25 April	4 May	1 April	21 April
*Pickle Lake....	16 May	15 May	20 May	19 May	16 May	17 May	17 May	13 May	31 May	1 June
*Port Arthur....	30 April	24 April	13 May	19 May	16 May	5 May	5 May	11 May	17 May	3 May
*Red Lake.....	2 May	14 May	16 May	19 May	15 May	8 May	10 May	12 May	25 May	24 May
*Remi Lake.....	7 May	12 May	19 May	11 May	15 May	9 May	6 May	12 May	24 May	23 May
*Sault Ste. Marie	26 March	8 April	11 April	4 April	2 April	3 April	3 April	.....	1 April	1 April
*Sioux Lookout..	1 May	14 May	16 May	16 May	8 May	2 May	7 May	10 May	23 May	10 May
*Timmins.....	2 May	8 May	16 May	11 May	9 May	11 May	4 May	11 May	14 May	16 May
*Sudbury.....	18 April	1 May	4 May	10 May	27 April	24 April	28 April	8 May	25 April	3 May
*Temagami.....	2 May	8 May	11 May	17 May	9 May	1 May	4 May	14 May	9 May	9 May
*Toronto.....	20 April	28 April	28 April	19 April	6 April	17 April	20 April	.....	5 April	1 April
*Tweed.....	18 April	27 April	28 April	25 April	25 April	18 April	23 April	4 May	25 April	20 April
*Twin Lakes.....	13 May	15 May	25 May	21 May	22 May	15 May	11 May	13 May	.....	.....
*White River....	2 May	12 May	20 May	12 May	15 May	15 May	10 May	11 May	19 May	12 May

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland		
Northern District of North America (Quebec) (Lower Canada 1800-1801) .	1764-1801	Surveyor-General
Sir D.W. Smith		
First Surveyor-General of Province of Upper Canada	1800-1804	Surveyor-General
C.B. Wyatt	1804-1805	Surveyor-General
William Chewett and		
Thomas Ridout	1805-1810	Surveyor-General
Thomas Ridout	1810-1829	Surveyor-General
Hon. S.P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R.B. Sullivan	1838-1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
* G.B. Kirkpatrick	1880-1917	Director of Surveys
* L.V. Rorke	1918-1928	Director of Surveys
† L.V. Rorke	1928-1936	Deputy Minister/ Surveyor-General
‡ C.H. Fullerton	1936-1946	Surveyor-General
F.W. Beatty	1946-1962	Surveyor-General
Robert G. Code	1962-	Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: Robert G. Code

LANDS SECTION

Supervisor: R.S. Hyslop

Administration of public lands and their disposition by sale, patent, vesting order, quit claim deed, lease, licence of occupation, or land use permit; release of reservations in patents, assignments and cancellations; reservation of lands for public and government uses; and maintenance of Wilderness Areas.

LAND ACQUISITION & PLANNING SECTION

Supervisor: W.G. Maslen

Recommendations and applications for purchase of private lands for public uses; development and co-ordination of land use plans in all districts for the management of renewable, natural resources; Recreational Land Inventory Sector of Canada Land Inventory; co-ordination of departmental A.R.D.A. projects; and liaison with Department of Agriculture and Food on private lands.

SURVEYS SECTION

Supervisor: S.B. Panting

Examination, recording and custody of original plans and field notes of restoration of original Crown survey points, retracement and Municipal surveys, and surveys of Crown lands for disposition; map compilation; authorization of geographical names; distribution of maps, publications and copies of survey records. Branch attendance, accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams; licences of occupation for dams, flooding and diversions; water resource management; issuance and servicing of Water Power Lease Agreements; engineering consultations; feasibility studies, inspections, reports, planning for fish culture stations, Wetland developments, fishways and other fish and wildlife projects; access roads.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 205 township subdivision surveys have been annulled, as of May 31, 1967, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 30, 1967, a total of 763 plans of subdivision for summer cottage purposes have been registered, covering 9,171 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1967, the total installed capacity of power plants under lease and in service is 5,049,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,406,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet above mean sea level.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U. E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND ACQUISITION AND PLANNING SECTION

This section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

Since 1965 this section also supervises and co-ordinates the functioning of Land Use Planning. The recreational Land Use Planning Advisory Committee was established by Order-In-Council to advise on recreational planning in the departmental administrative districts.

The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

The request for land for recreational use has increased greatly since 1948. The Department adopted the policy of zoning areas to ensure orderly development of public lands.

Under the Canada Land Inventory the Province agreed to co-operate with the Government of Canada in carrying out a capability inventory of the timber, wild life and recreation resources in the province. The inventory is designed to produce maps and data on soil and site capability for resource management uses.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1967

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial Parks.....	43,329.00	48,085.00	6,244.49	\$1,780,323
Access Points....	7,952.87	1,520.60	290.90	37,128
General Recreation	9,500.02	14,920.85	851.30	11,630
Wilderness Areas.....	846.17	640.24	614.30	35,023
Wildlife Management	7,358.18	156.00	1,876.00	107,177
Timber Management	89,432.11	576.50	8,859.42	186.634
District Improvements	127.60	3.13	109.30	17,760
Totals ...	158,545.95	65,902.32	18,845.71	2,175,675

ACRES ACQUIRED in years ending March 31st

Use Category	1964	1965	1966	1967
Provincial Parks.....	8,462	9,193.45	7,437.42	6,244.49
Access Points....	1,200	78.74	610.03	290.90
General Recreation	...	2.47	68.39	851.30
Wilderness Areas.....	10	...	190.48	614.30
Wildlife Management	1,900	2,203.40	3,460.55	1,876.00
Timber Management	2,202	5,118.94	3,363.13	8,859.42
District Improvements	10	1.06	592.00	109.30
Totals ...	13,784	16,598.06	15,722.00	18,845.71

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603
1967	8,402	1,840	18,846	29,088

*Figures for previous calendar year ending December 31.

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385
1965	..	.....	23	2,721	..	.....	11	1,319
1966	..	.....	24	2,756	..	.....	12	1,307
1967	..	.....	2	186	..	.....	7	732

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1946	281	26,535	438	42,933	162	17,464	321	36,683
1947	303	29,757	338	29,470	222	22,801	433	52,189
1948	280	29,506	402	37,069	185	21,667	299	32,929
1949	277	28,740	378	35,095	105	12,392	225	26,435
1950	267	26,671	327	32,452	113	12,145	316	35,483
1951	195	19,228	221	22,134	69	7,673	256	28,104
1952	223	24,420	143	13,358	71	7,313	242	26,474
1953	186	21,965	221	21,645	70	7,560	256	29,319
1954	144	14,534	131	13,049	50	4,484	256	29,123
1955	158	15,232	161	17,377	92	4,131	188	21,265
1956	117	12,230	184	18,513	26	3,008	148	17,892
1957	82	8,683	191	19,038	15	1,461	126	14,882
1958	101	10,543	174	17,087	7	807	150	15,471
1959	101	10,607	141	13,788	12	1,227	110	11,644
1960	68	6,578	59	5,788	3	211	105	10,980
1961	35	3,808	94	9,133	15	1,531	108	11,633
1962	10	1,102	58	5,892	4	330	94	10,267
1963	5	284	59	5,868	5	446	84	9,512
1964	6	549	9	810	1	80	88	8,783
1965	16	1,384	48	4,778	..	.....	62	6,468
1966	12	1,084	29	2,860	..	.....	42	4,362
1967	6	476	15	1,591	..	.....	28	2,510

SUMMER RESORT LAND in years ending March 31st.

YEAR	Sales		Cancellations		Assignments		Patents		Acres	Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres		
1946	535	1,411	11	35	14	32	277	781	358	
1947	666	1,841	6	6	37	186	496	1,764	388	
1948	700	1,700	26	69	34	139	446	1,153	692	
1949	1,010	2,336	45	218	40	107	756	1,984	1,199	
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435	
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737	
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800	
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458	
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752	
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670	
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269	
1957	714	958	61	124	17	17	1,164	1,411	1,207	
1958	1,344	1,678	36	53	13	15	962	1,350	2,083	
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660	
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307	
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935	
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577	
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374	
1964	912	929	17	19	6	7	1,088	1,092	939	
1965	881	824	32	33	3	8	977	981	726	
1966	856	863	23	21	17	25	883	925	838	
1967	1,142	1,109	17	15	30	27	827	821	897	

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales Acres	Cancellations No.	Acres	No.	Assignments No.	Acres	No.	Patents Acres	Quit Claim Deeds No.	Acres
1947	275	137.92	9	2.39	27	6.67	175.39	249	175.39	•	•••
1948	•••	•••	••	•••	••	•••	•••	•••	•••	•	•••
1949	151	68.626	17	17.182	22	8.904	66.634	146	66.634	•	•••
1950	97	102.906	10	1.668	11	21.764	111.60195	182	111.60195	•	•••
1951	87	56.996	15	30.05	10	2.2145	94.3345	143	94.3345	•	•••
1952	91	252.47	7	1.695	10	1.576	38.274	90	38.274	•	•••
1953	111	64.7477	19	13.82	2	0.378	68.950	126	68.950	•	•••
1954	89	28.604	8	23.308	7	1.682	63.0438	99	63.0438	•	•••
1955	60	15.411	11	5.271	11	2.39	26.651	70	26.651	•	•••
1956	91	44.690	14	6.06	7	1.44	1,613.190	85	1,613.190	•	•••
1957	96	60.547	14	5.04	2	0.37	70.632	85	70.632	•	•••
1958	76	15.693	10	1.159	4	0.86	323.050	69	323.050	•	•••
1959	109	30.8821	6	2.109	4	0.978	37.990	101	37.990	3	12.909
1960	113	36.315	12	1.1872	4	0.941	75.994	99	75.994	3	219.485
1961	83	29.443	17	3.318	5	0.98	25.618	91	25.618	3	155.89
1962	104	39.910	20	5.708	••	•••	61.243	105	61.243	3	1.34
1963	77	31.941	31	6.318	8	2.885	36.547	99	36.547	7	28.314
1964	64	34.650	4	4.892	1	0.2	218.826	67	218.826	3	2.305
1965	27	7.140	13	2.840	1	0.394	15.019	45	15.019	1	0.13
1966	34	14.189	11	2,140	1	0.24	12.254	45	12.254	1	0.69
1967	27	10.275	5	1,063	1	0.69	13,106	23	13,106	•	•••

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales		Cancellations		Assignments		Patents		Quit No.	Claim No.	Deeds Acres
		Acres	No.	Acres	No.	Acres	No.	Acres	No.			
1947	211	14,293.96	..	...	6	134.05	145	13,272.99	..	..	..	....
1948	...	...	..	...	.	...	...	...	..	..	..	....
1949	199	20,541.913	5	110.00	3	184.53	187	13,132.423	..	..	..	....
1950	183	26,616.1662	5	206.59	4	95.86	187	55,461.188	..	..	..	....
1951	155	4,285.757	11	255.655	2	100.68	175	5,471.559	..	..	..	....
1952	149	5,367.3395	15	576.64	1	20.08	157	7,318.1075	..	..	..	....
1953	141	5,440.696	9	640.02	2	2.91	170	6,931.922	..	..	..	....
1954	145	4,220.913	12	418.984	7	87.56	154	6,168.493	..	..	..	....
1955	143	4,745.9465	12	614.26	3	111.771	163	4,989.0825	..	..	..	....
1956	129	7,451.9988	10	427.33	3	6.23	132	6,274.0393	..	..	..	....
1957	81	2,122.698	7	249.84	.	...	132	5,175.287	..	..	..	....
1958	148	4,533.512	12	545.20	.	...	152	5,620.207	..	..	..	....
1959	88	1,738.784	2	95.48	1	2.13	108	2,554.183	..	..	..	....
1960	157	3,201.033	4	228.25	3	4.11	162	10,254.213	1	1	1.35	119.569
1961	108	9,149.599	6	159.31	.	...	156	4,888.957	3	3	50.00	3,409.015
1962	122	2,587.402	5	82.114	2	1.69	158	4,090.992	40	40	1,387.196	4,152.1467
1963	100	2,527.392	3	180.21	.	...	146	4,863.112	23	23	1,916.369	926.54
1964	75	1,529.052	4	83.03	.	...	140	6,624.6265	24	24	1,037.583	1,037.583
1965	86	622.792	8	432.33	.	...	128	16,667.445	22	22	..	..
1966	83	671.858	8	244.489	.	...	99	2,345.328	15	15	..	..
1967	128	1,462.543	3	47.01	.	...	149	3,916.502	14	14	..	..

YEAR Ending March 31st	LICENCES OF OCCUPATION		LEASES	
	No. Issued	No. Cancelled	No. Issued	No. Cancelled
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111
1966	53	71	76	86
1967	65	90	80	97

LAND USE PERMITS In years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232
1965	2,395	296	349	47	46	163	12	415	713	3,146	4,436	35,438
1966	2,413	285	338	57	48	154	7	397	683	3,055	4,382	31,810
1967	2,516	325	353	52	55	157	8	393	696	2,737	4,555	29,036

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	Territorial Series	Electoral 33A	Misc.	Total	Provincial Topographical Series	National Topographical Series	Grand Total
1947	3,650	7,378	141	5,475	16,644	.....	10,535	27,179
1948	1,975	7,373	25	1,774	11,147	.....	11,215	22,362
1949	4,800	8,169	169	3,391	16,529	.....	15,241	31,770
1950	1,896	7,560	152	6,827	16,435	.....	17,013	33,448
1951	2,814	6,730	61	4,453	14,058	.....	21,435	35,493
1952	2,096	9,426	311	4,509	16,342	3,925	20,214	40,481
1953	1,990	8,156	207	5,271	15,624	2,242	30,310	45,934
1954	2,734	9,254	64	5,976	18,028	9,596	24,863	52,487
1955	3,045	12,137	250	9,832	25,264	14,223	34,060	73,547
1956	2,113	10,475	839	2,712	16,139	12,928	35,676	64,743
1957	2,212	11,687	190	13,845	27,934	16,036	33,977	77,947
1958	1,831	12,592	126	2,726	17,275	17,720	44,328	79,323
1959	2,435	9,071	259	11,310	23,075	21,458	47,329	91,862
1960	1,285	9,728	320	9,543	20,876	25,357	43,534	89,767
1961	1,333	6,906	142	8,435	16,816	26,111	36,993	79,920
1962	2,523	10,755	503	19,084	32,865	33,018	45,848	111,731
1963	1,194	11,215	193	9,517	22,119	21,842	47,712	91,673
1964	652	8,255	313	9,778	18,723	9,525	34,160	62,408
1965	651	9,152	257	6,600	16,711	7,060	35,210	58,981
1966	586	9,881	135	14,526	25,128	2,543	39,697	67,368
1967	664	8,654	4,849	13,033	27,200	6,157	40,854	74,211

RETRACEMENT SURVEYS

In years ending March 31st

Year	MILES
1958	70
1959	50
1960	118
1961	170
1962	325
1963	290
1964	235
1965	321
1966	385
1967	313

INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease
In years ending March 31st

Year	H. P.
1958	2,767,890
1959	3,796,190
1960	4,327,490
1961	4,380,490
1962	4,500,490
1963	4,500,490
1964	4,654,820
1965	4,673,420
1966	4,861,420
1967	5,049,420

WILDERNESS AREAS

The following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

O. Reg. 281/60 - Filed Oct. 21/60

1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
2. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
3. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
5. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
6. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
8. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.

16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.

18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.

19. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.

20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

22. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.

24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

*26. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.

28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

O. Reg. 268/61 - Filed July 28/61

29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.

30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.

33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.

34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.

35. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

O. Reg. 35/62 - Filed Feb. 12/62

36. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

O. Reg. 251/63 - Filed Sept. 17/63

*37. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

O. Reg. 229/64 - Filed Sept. 2/64

38. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

O. Reg. 259/64 - Filed Oct. 5/64

39. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood.

40. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

O. Reg. 30/66 - Filed Jan. 28/66

41. DERBY LAKE -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.

42. GIBSON RIVER NATURE RESERVE -- 415 acres in Township of Baxter, District of Muskoka. This area contains a typical stand of tolerant hardwoods mixed with white pine, hemlock and cedar, and with a representative population of wildlife.

NEW POLICIES

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

LAW BRANCH

Chief: G. H. FERGUSON, Q. C.

SOLICITORS:

W. E. D. Peters
W. J. Obelnycki
D. J. Hawley

PATENTS OFFICE

Supervisor: B. P. Foster

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 21 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26, 1959, 42 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBERS ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th, October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional Lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewed following April 1, 1963 and every second year thereafter.

9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

1. Lamprey research and control programmes in the Great Lakes.
2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
3. A general research programme on eutrophication.

4. Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.
5. Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

1. General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

10. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified

qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

11. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

NEW POLICIES

[illegible]

OPERATIONS BRANCH

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

P. O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division.

Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

The objectives of Operations Branch are as follows.

1. To promote public understanding of Department activities and objectives in the management of Ontario's renewable, natural resources.
2. To develop and promote good safety practices in forest work, in recreational activities on public lands and waters, and in all Department operations.
3. To effect efficiency in purchasing and in other assigned services performed for branches and field offices.

OPERATIONS BRANCH

Chief: P.O. RHYNAS

M. A. GONTIER
Supervisor

OFFICE MANAGEMENT

Supervisor: A. F. Madore

Office Management, Records
Circular Production, Uniforms
Inventory of Major Equipment

Supervisor
Purchasing
and
Warehousing

PURCHASING

Supervisor: G. A. Harper

Purchases, Leases, Invoices
Inventories, Material Control
Meetings, Travel Arrangements

CENTRAL SUPPLY WAREHOUSE

Supervisor: R. M. Toms

Housing, Recording and Shipping,
Delivery to Toronto Area Offices
Duplicating and Collating

G. E. MULHOLLAND
Supervisor

CONSERVATION INFORMATION

Supervisor: G. E. Mulholland

News and Press Releases, Photos
Publications, Public Appeals
Information, Editorial Services

C. V. RICH
Supervisor
Accident Control

Acting Supervisor
Conservation
Education

ACCIDENT CONTROL

Supervisor: C. V. Rich

Logger Safety, Hunter Safety

Workmen's Compensation
Department Safety, Parks Safety

CONSERVATION EDUCATION

Acting Supervisor: C. V. Rich

Exhibits and Display Material
Lectures, 16 mm Films
Material for Radio, Television

HUNTER SAFETY TRAINING PROGRAM*

Year	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967**	2,850	16,349	138,302	97	13	110

CAUSES OF ACCIDENTS IN 1966

%age
of
Total

INTENTIONAL DISCHARGE:

Victim mistaken for game.....	12
Victim out of sight of shooter.....	17
Victim covered by shooter swinging on game.....	3
Victim moved into line of fire.....	5
Sub-total...	37

UNINTENTIONAL DISCHARGE:

Shooter tripped or stumbled.....	16
Trigger caught on brush, clothing, etc.....	8
Defective weapon.....	6
"Horseplay".....	3
Loading and Unloading.....	5
Crossing fence, etc., with loaded weapon.....	3
In vehicle with weapon loaded.....	2
Removing from or placing in vehicle.....	2
Weapon fell from insecure rest.....	2
All other circumstances.....	14
Sub-total...	61

UNKNOWN..... 2

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report. Accident totals are subject to correction.

WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$	\$	\$	\$ 12,850	98	\$...
1945	.....	.....	.....	14,540	120	...
1946	.....	.....	.....	14,249	129	...
1947	.....	.....	.....	21,560	182	...
1949	.....	.....	.....	35,989	494	...
1950	.....	.....	.....	50,989	501	...
1951	.....	.....	.....	43,951	394	...
1952	.....	.....	.....	54,158	368	...
1953	.....	.....	.....	51,169	417	65
1954	.....	.....	.....	64,693	494	78
1955	.....	.....	.....	63,357	455	69
1956	.....	.....	.....	106,962	910	78
1957	.....	.....	.....	85,159	588	80
1958	.....	.....	.....	101,376	727	77
1959	.....	.....	.....	132,572	874	98
1960	.....	.....	.....	150,709	687	139
1961	.....	.....	.....	130,210	649	106
1962	16,531	.....	.....	120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,433	11,382	2,489	144,673	567	118
1967	3,083	19,026	9,396	171,315	588	159

*Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS			Tons of Supp- lies	PRINTED MATERIAL		
					*Letters of Enquiry Answered	Adminis- tration	Conser- vation		Licences	Parks Permits	Publi- cations
1947	25	.....	.....	8	4,200	508	65	...	.....	.....	.....
1958	26	.....	.....	13	6,900	...	..	...	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	...	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	253	1,392,043	825,900	1,196,414
1963	260	3,700	9,000	75	30,300	150	50	228	1,432,902	1,000,850	1,442,523
1964	260	3,800	9,200	75	32,000	178	50	247	1,542,810	1,057,730	1,918,841
1965	255	3,800	9,200	75	33,000	161	50	246	1,581,980	1,125,725	2,211,227
1966	255	4,200	9,500	75	34,500	146	30	217	1,669,084	1,058,325	2,082,753
1967	233	4,700	9,500	75	35,300	228	30	...	1,756,000	851,800	2,281,501

*Information supplied by mail. **Technical publications not included after 1962.

LANDS AND FORESTS PUBLICATIONS

as of December 31, 1967.

(Technical papers and management reports are not included.)

Code

FW FISH AND WILDLIFE

2	Commercial Fishing in Ontario	
3	Landlocked Sea Lamprey	
4	Summary of the Ontario Regulations which apply to Trapping and Fur Dealing	
5	Fur in Ontario	
6	Meet the Wildlife of Ontario's Outdoors	\$0.35
7	Fishing in Lake Simcoe	1.00
8	The Game and Fish Act and the Ontario Fishery Regulations	
9	Summary of the Ontario Fishery Regulations	
11	Summary of the Ontario Big Game Hunting Seasons	
12	Summary of the Ontario Hunting Regulations	
15	Ontario Snakes	
16	Fishes of Ontario	2.50

OR OUTDOOR RECREATION

1	The Ontario Outdoorsman's Manual	0.25
2	So You Want To Go Camping	
6	The Ten Commandments of Hunter Safety	
7	Why Hunter Safety Training?	
8	How To Survive in the Woods	
9	Hunt the James Bay Lowlands with the Cree	
10	The Scent of Death	

PP PROVINCIAL PARKS

1	Provincial Parks of Ontario	
2	Algonquin Provincial Park	
3	Canoe Routes---Algonquin	
4	Canoe Routes---Quetico	
5	Quetico Provincial Park	
7	Canoe Routes--North Georgian Bay Recreational Reserve	
8	Sibbald Memorial Museum	

F FORESTS

2	Hardwood Trees of Ontario with Bark Characteristics	0.50
3	The Forest Resources of Ontario	
5	Common Trees	
6	Forestry Assistance to Private Landowners in Ontario	
7	Planning for Tree Planting	
8	Care and Planting of Forest Trees	
10	Manual of Seed Collecting	
11	Farm Forestry Service for You	
12	The Crown Timber Act, etc.	

FP FOREST PROTECTION

- 1 Our Forests Are Burning
- 2 Tower Jack
- 3 The Forest Fires Prevention Act

FI FOREST INDUSTRY

- 1 Lumber in Ontario
- 5 Directory of Primary Wood-Using Industries in Ontario
- 6 Manual of Scaling Instructions
- 7 The Loggers' Safety Act

LW LAND AND WATER

- 3 Ontario Resources Atlas (maps in colour) 1.00
- 4 Summer Cottage Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

A ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests:
Part I, detailed; Part II, Highlights.
- 2 A Statistical Reference of Lands and Forests Administration
- 3 Ontario Forest Technical School (Information brochure)
- 4 Ontario Junior Forest Ranger Programme
- 5 List of Publications for Distribution

H HISTORY

- 1 Algonquin Story \$ 2.50
- 3 Indians of Ontario 1.00
- 4 Early Days in Haliburton 2.50
- 5 Early Days (Air Service)
- 6 Fifty Years of Reforestation in Ontario 0.50
- 7 H.M.S. Nancy and the War of 1812
- 8 Arrayed-in-Wampum 2.50

FDH FOREST DISTRICT HISTORIES

- | | | |
|-----------------|----------------|---------------------|
| 1 Kapuskasing | 9 Lake Erie | 17 Kemptville |
| 2 Geraldton | 10 Kenora | 18 Lindsay |
| 3 Lake Huron | 11 Gogama | 19 Tweed |
| 4 Port Arthur | 12 Parry Sound | 20 Sault Ste. Marie |
| 5 White River | 13 North Bay | 21 Sudbury |
| 6 Sioux Lookout | 14 Cochrane | 22 Pembroke |
| 7 Lake Simcoe | 15 Swastika | |
| 8 Fort Frances | 16 Chapleau | |

RENEWING NATURE'S WEALTH, a Centennial History of the Public Management of Lands, Forests and Wildlife in Ontario, was published by the Department of Lands and Forests in 1967. It may be purchased at \$9.50 per copy at book stores or from the distributors: Copp Clark Publishing Company, 517 Wellington Street West, Toronto 2B, Ontario.

NEW POLICIES

PARKS BRANCH

The objectives of Parks Branch are as follows.

1. To reserve areas and establish Provincial Parks to accommodate existing and anticipated demands of recreational and educational activities usually associated with the natural environment; and to preserve important or unusual features of natural or historical significance.
2. To preserve the natural and historical environment by permitting only those activities that will not alter the basic environment for which the park was intended.
3. To promote in park visitors an appreciation of park environment and an inspirational enjoyment of nature.

The Division of Parks was established on October 1, 1954, with the late W.B. Greenwood as Chief. It was renamed Parks Branch in 1959.

A.B. Wheatley was appointed Chief on April 1, 1961.

D.R. Wilson was Chief from May 1, 1965, until January 1, 1967, when he was appointed Director of the Southern Region.

P. Addison, formerly Regional Forester, was appointed Chief on January 1, 1967.

In 1965, Parks Branch was enlarged and re-organized into three sections.

In 1967, the responsibility of establishing, operating and maintaining Access Points, Wilderness Areas, Canoe Routes and Hiking Trails was transferred from Lands and Surveys Branch to Parks Branch.

Waterfowl hunting and pheasant hunting on a put-and-take basis are provided in certain parks and are well received by the public. Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile and Rondeau parks. Pheasant hunting is provided at Darlington, Earl Rowe, Presqu'ile and Sibbald Point parks.

Moose and deer hunting are permitted in Bruton and Clyde townships in Algonquin park and in Lake Superior park.

To extend the use of provincial parks, facilities for skating have been provided in Darlington park; for tobogganing in Kap-Kig-Iwan park; and for skating, skiing, and tobogganing in Pinery park.

During 1967, 94 provincial parks were in operation, providing an area of approximately 3,800,000 acres for public recreational use. Six new parks are scheduled to be opened in 1968.

PARKS BRANCH

Chief: P. ADDISON

RECREATIONAL PLANNING

Supervisor: J.W. Keenan

Long Range Planning for Parks
and Related Public Recreational Areas
and Activities

PARKS PLANNING AND DEVELOPMENT

Supervisor: R.H. Hambly

Detailed Master Plans for Parks
and Control of All Park Development
According to Approved Design

PARK MANAGEMENT

Supervisor: W.G. Cleaveley

Establishment and Control of Standards
of Park Operations, and Supervision
of Operating Expenditures and Revenue

Establishment, Operation and Maintenance
of Interpretive Programs
(Museums, Exhibit Centres, Publications,
Illustrated talks and Conducted Trips)

Establishment, Operation and Maintenance
of Canoe Routes, Hiking Trails,
Access Points and Wilderness Areas

Secretary to

ONTARIO PARKS INTEGRATION BOARD

C.R. Tilt

PUBLIC USE OF PROVINCIAL PARKS

Year	Camper-Days	Campers	Wilderness Campers	Vehicles	Total Visitors
1957	.....	116,000	.....	629,666	2,114,661
1958	.....	196,000	16,309	927,871	3,232,460
1959	.....	340,000	50,403	1,420,180	5,127,199
1960	.....	421,000	35,778	1,552,662	5,692,978
1961	.....	613,000	57,992	1,725,876	6,215,370
1962	.....	750,000	46,753	2,182,363	7,820,994
1963	.....	840,491	49,372	2,373,223	8,526,443
1964	.....	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533

ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946	1	3,436	.....	...	...	3,436
1947	1	5,917	.....	...	...	5,917
1948	1	6,854	.....	...	...	6,854
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	216,672	38,771	5,782	23,988	286,213
1960	9	298,129	46,679	6,958	24,296	376,062
1961	8	311,291	46,955	7,104	29,626	394,976
1962	12	374,475	55,553	9,748	47,641	487,417
1963	11	371,275	61,647	10,949	51,143	495,014
1964	12	390,792	80,815	10,458	49,235	531,300
1965	19	326,298	81,462	10,515	51,639	469,914
1966	21	392,403	88,004	11,453	53,161	545,021
1967	23	384,666	117,009	20,421	57,754	579,850

1967 ATTENDANCE

Algonquin....	282,861	94,234	4,892	24,839	406,826
Presqu'ile...	24,000	3,345	937	9,021	37,303
Rondeau.....	26,878	.....	915	1,931	29,724
Pinery.....	6,850	.....	3,545	9,400	19,795
Inverhuron...	18,707	.....	.....	.....	18,707
Sibbald Point	16,500	.....	.....	.....	16,500
Quetico.....	8,420	2,888	751	3,042	15,101
Killbear.....	.....	3,800	8,420	.....	12,220
Sibley.....	.....	660	595	2,670	3,925
Lake Superior	.....	500	366	1,501	2,367
Other Parks..	450	11,582	.....	5,350	17,382

GROWTH OF PROVINCIAL PARKS

The first eight Provincial Parks were established as follows: Algonquin in 1893; Rondeau, 1894; Quetico, 1909; Long Point, 1921; Presqu'ile, 1922; Ipperwash, 1938; and Lake Superior and Sibley in 1944. In the seven years following the formation of Parks Branch in 1954, sixty-nine new parks were opened to the public to give a total of 77 parks in operation in 1961.

YEAR	CAMPING		RESERVE AREAS		PROVINCIAL PARKS	
	Parks	Units	No.	Acreage	No.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255

94 PROVINCIAL PARKS IN OPERATION IN 1967

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Camper- Days	Camper's	Total Visitors
CHAPLEAU							
Five Mile Lake	1,010	Sep 29, 1958	0. Reg. 251/58	87	6,572	2,581	3,277
COCHRANE							
Greenwater	10,970	May 21, 1963	0. Reg. 117/63	45	4,786	2,624	21,158
Kettle Lakes	2,417	May 21, 1963	0. Reg. 117/63	95	13,331	4,988	56,408
Tidewater	2,860	.....	.....	..	.....	.....	.....
FORT FRANCES							
Caliper Lake	246	Jul 22, 1960	0. Reg. 204/60	92	10,683	5,836	25,878
Lake of the Woods	2,711	.....	.....	100	5,480	2,228	26,502
Quetico	1,148,800	Apr 1, 1909	Order-in-Council	135	21,996	8,720	75,102
GERALDTON							
Blacksand	3,353	Jul 22, 1960	0. Reg. 204/60	168	7,888	4,512	14,467
Klotz Lake	210	Jul 22, 1960	0. Reg. 204/60	33	4,509	2,942	14,166
MacLeod	200	May 21, 1963	0. Reg. 117/63	54	10,584	4,063	50,986
Rainbow Falls	1,422	May 21, 1963	0. Reg. 117/63	174	30,731	24,766	62,317
Ney's	8,150	Dec 28, 1965	0. Reg. 346/65	90	15,208	13,867	41,373
GOGAMA							
Ivanhoe	3,010	Jun 25, 1957	0. Reg. 144/57	143	14,896	4,430	29,029
KAPUSKASING							
Nagagamis	11,878	May 21, 1963	0. Reg. 117/63	80	9,713	2,457	15,592
Remi Lake	6,654	Jun 25, 1957	0. Reg. 144/57	80	10,325	4,880	41,493
KEMPTVILLE							
Fitzroy	396	May 21, 1963	0. Reg. 117/63	251	26,476	14,972	122,934
Rideau River	170	May 21, 1963	0. Reg. 117/63	186	35,607	14,527	189,136
Silver Lake	78	May 21, 1963	0. Reg. 117/63	197	43,108	13,977	102,259
South Nation	13	Jul 22, 1960	0. Reg. 204/60	28	9,207	7,317	62,099

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Camper- Days	Campers	Visitors
LINDSAY							
Darlington.....	380	Oct 30, 1959	0. Reg. 253/59	300	50,419	40,073	206,367
Emily.....	157	Jun 25, 1957	0. Reg. 144/57	212	43,351	15,334	149,108
Mark S. Burnham.....	100	Jul 21, 1955	0. Reg. 148/55	..	.....	.....	15,402
Presqu'ile.....	2,170	May 18, 1922	(Act-see Above)	500	87,655	61,903	239,925
Serpent Mounds.....	70	Jun 25, 1957	0. Reg. 144/57	130	43,219	14,575	124,173
Balsam Lake.....	1,040	.....	.....	200	29,872	11,663	69,669
Ferris.....	152	.....	.....	..	.....	.....	.....
NORTH BAY							
Antoine.....	23	.....	.....	30	2,497	1,604	3,224
Finlayson Point.....	74	May 21, 1963	0. Reg. 117/63	136	20,576	8,785	79,242
Marten River.....	1,034	May 21, 1963	0. Reg. 117/63	234	32,052	14,182	76,327
Samuel de Champlain....	2,220	.....	.....	224	27,441	19,426	94,595
PARRY SOUND							
Grundy Lake.....	6,310	Apr 21, 1959	0. Reg. 70/59	485	91,809	29,880	175,612
Oastler Lake.....	49	.....	.....	154	45,419	15,345	156,389
Killbear Point.....	3,000	.....	.....	834	150,125	28,139	312,312
Mikisew.....	99	Jun 29, 1964	0. Reg. 161/64	157	27,352	6,677	55,375
Sturgeon Bay.....	20	Jul 22, 1960	0. Reg. 204/60	87	21,842	6,142	24,751
Restoule.....	1,417	May 21, 1963	0. Reg. 117/63	258	15,778	3,607	28,086
Arrowhead.....	1,880	.....	.....	102	9,859	4,288	16,437
PEMBROKE							
Algonquin.....	1,862,400	May 27, 1893	(Act-see Above)	1,374	277,194	89,835	543,311
Carson Lake.....	15	.....	.....	46	10,200	5,109	5,180
Driftwood.....	655	May 21, 1963	0. Reg. 117/63	98	18,590	10,259	12,425
Bonnechere.....	252	.....	.....	60	4,239	1,641	7,959
PORT ARTHUR							
Inwood.....	82	Sep 29, 1958	0. Reg. 251/58	62	17,647	17,138	26,291
Sibley.....	57,780	Jan 13, 1944	Order-in-Council	180	18,127	9,550	27,368
Kakabeka Falls.....	841	.....	.....	149	38,129	29,549	363,923
Middle Falls.....	11	Jul 22, 1960	0. Reg. 204/60	20	4,028	3,734	28,746

SAULT STE MARIE

Pancake Bay	710	.....	.....	278	37,110	28,849	88,183
Batchawana	33	.....	.....	.....	.....	.....	38,052
Lake Superior	334,000	Jan 13, 1944	Order-in-Council	315	45,877	37,892	145,127
Mississagi	95,360	.....	.....	38	7,396	2,980	21,617

SIoux LOOKOUT

Pakwash	1,507	.....	.....	57	7,823	1,561	6,475
Ojibway	6,130	May 21, 1963	0. Reg. 117/63	68	4,906	1,140	5,926

SUDBURY

Fairbank	85	Jun 25, 1957	0. Reg. 144/57	132	17,908	12,099	78,861
Windy Lake	293	Apr 4, 1959	0. Reg. 88/59	76	15,491	6,033	95,073
Chutes	239	.....	.....	70	24,248	22,354	210,131
Killarney	84,350	Jul 17, 1964	0. Reg. 183/64	60	11,869	3,006	62,590

SWASTIKA

Esker Lakes	7,680	Jun 25, 1957	0. Reg. 144/57	136	11,193	3,457	20,954
Kap-Kig-Iwan	759	May 21, 1963	0. Reg. 117/63	64	4,592	3,217	31,842

TWEED

Black Lake	77	May 21, 1963	0. Reg. 117/63	200	23,434	11,878	69,941
Lake on the Mountain ..	256	Jun 25, 1957	0. Reg. 144/57	..	.....	.....	.....
Lake St. Peter	61	.....	.....	60	7,782	3,076	33,685
Outlet Beach	305	May 21, 1963	0. Reg. 117/63	400	69,365	25,096	413,895
Sandbanks	1,208	.....	.....	..	.....	.....	75,255
Bon Echo	14,000	.....	.....	400	56,137	19,719	138,808
North Beach	66	.....	.....	..	.....	.....	48,724

WHITE RIVER

White Lake	3,980	May 21, 1963	0. Reg. 117/63	225	33,584	21,041	127,019
Obatanga	34,240	.....	.....	84	15,479	13,338	26,257
TOTAL	3,756,255			16,201	2,805,123	1,155,091	10,192,533

61 PROVINCIAL PARK RESERVE AREAS 1967

DISTRICT Reserve Area	AREA (Area)	LOCATIONS
COCHRANE		
Pierre-Montreuil	46,000	McQuibban, Swartman Twps.
Long Point Peninsula	18,500	Lake Abitibi
Dana Lake	6,400	Carscallen, Keefer Twps.
Otter Rapids	486	Pitt Twp.
FORT FRANCES		
Warner Lake	7,450	South of Tanner Twp.
Sandpoint Island	1,970	Rainy Lake
Pow-wow Campgrounds ..	1,730	Shoal Lake
GOGAMA		
Dividing Lake	2,900	Chester, Invergarry Twps.
GERALDTON		
Purgatory Chutes	100	South of Fernow Twp.
Steel River	2,700	Twp. 81
Esnagami River	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	6,500	Legault, Colter Twps.
Kama Bay	1,750	Twps. 88, 89, 91
Lukinto Lake	2,250	South of O'Meara Twp.
KAPUSKASING		
Lake Nagagami	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE		
Murphy's Point	1,159	North Burgess Twp.
Charleston Lake	885	Lansdowne Twp.
Carillon	1,600	East Hawkesbury Twp.
KENORA		
Pipestone	3,530	Lake of the Woods
LAKE ERIE		
Point Burwell	380	Bayham Twp.
Low Point	266	Dunne Twp.
LAKE HURON		
Cyprus Lake	1,149	St. Edmunds Twp.
P.R. Hilborn	178	Waterloo Twp.
LAKE SIMCOE		
Matchedash	6,200	Matchedash Twp.
Methodist Point	2,992	Tiny Twp.
McRae Point	162	Mara Twp.
Scugog Island	403	Scugog Twp.
Duclos Point	188	Georgina Twp.
LINDSAY		
Red Pine Lake	6,580	Sherborne, Stanhope Twps.
Silent Lake	1,857	Cardiff Twp.
Kawartha Highlands	3,800	Cavendish, Anstruther Twps.
Gull River	20	Somerville, Laxton Twps.
Wolf Island	464	Harvey Twp.

NORTH BAY			
Greenwood.....	23,000	Coleman, Banting, Best Brigstocke Twps.	
Mashkinonje	2,543	Haddo Twp.	
PARRY SOUND			
McDonald Bay.....	1,100	Baxter, Gibson Twps.	
O'Donnell Point	2,130	Freeman Twp.	
Round Lake	24,265	Shawanaga, Ferguson, Burpee Twps.	
South Bay.....	3,936	Nipissing Twp.	
Bigwind Lake	5,400	Oakley Twp.	
Shawanaga Basin	2,560	Shawanaga, Harrison Twps.	
PORT ARTHUR			
Silver Falls	8,800	Dog Lake	
Kopka Lake	89,650	West side of Lake Nipigon	
Kashabowie Lake	19,130	Kashabowie Lake	
Arrowhead Penn.	850	North Light Lake	
Inwood	1,000	Inwood Twp.	
Eaglehead Lake	750	Eaglehead Lake	
Arrow Lake	100	Arrow Lake	
Quimet Canyon	510	Dorion Twp.	
SAULT STE MARIE			
Aubrey Falls	6,000	Twp. 4D, Mississauga River	
Mashagama Lake	8,300	Twp. 4E--4F	
SUDBURY			
Wahnipitae Lake	1,300	Rathbun Twp.	
Halfway Lake	58,240	Muldrew, Antrim, Athlone, Morse Twps.	
SWASTIKA			
McCann	640	McCann Twp.	
TWEED			
Lake St. Peter	3,408	McClure Twp.	
Frontenac	8,109	Bedford, Loughborough Twps.	
Wolfe Island	490	Wolfe Twp.	
WHITE RIVER			
Kawapitapika Lake	2,800	Cecile, Knowles Twps.	
Dayohessarah Lake	36,928	66, Cooper, Tedder, Oldum, Hambleton Twps.	
TOTAL	530,780		

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

A. J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J. M. Taylor was appointed Chief on January 1, 1967.

The objectives of Personnel Branch are as follows.

1. To provide adequate, competent staff for the Department.
2. To encourage good job performance through a career concept based on promotion, in-service academic and technical training, and up-to-date position classification.

Personnel Branch is divided into five sections with duties and responsibilities as follows.

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control.

CLASSIFICATION AND JOB EVALUATION: Identification of positions; analyses recommendations of classes; preparation of position specifications and organization charts; salary surveys; and assignment of qualified employees to positions.

TRAINING AND SPECIAL ASSIGNMENTS: Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario.

OFFICE MANAGEMENT: Personnel and attendance reports; leave-of-absence recommendations; processing of nominations; separations; group insurance; merit increases; accelerated increases and salary revisions.

NUMBER OF EMPLOYEES
in years ending March 31st

STAFF TURNOVER

Discontinued From
Reg & Prob Staff

Year	Reg- ular	Probat- ionary	Mon- thly	*Cas- ual	Total	**Age	Misc.	Total
1943	304	218	..	339	861	..	..	..
1944	310	268	..	397	975	..	..	..
1945	324	305	..	929	1,558	..	..	..
1946	373	318	..	573	1,264	..	..	..
1947	523	562	..	527	1,612	..	..	..
1949	1,167	196	..	562	1,925	..	..	..
1950	1,352	157	..	580	2,089	..	..	..
1951	1,420	141	..	701	2,262	28	99	127
1952	1,441	181	..	790	2,412	17	122	139
1953	1,518	158	..	680	2,356	19	96	115
1954	1,546	175	..	633	2,354	34	95	129
1955	1,618	142	..	727	2,487	23	94	117
1956	1,611	180	..	655	2,446	36	135	171
1957	1,583	175	..	929	2,687	31	137	168
1958	1,685	134	..	3,209	5,028	26	69	95
1959	1,759	113	..	2,750	4,622	34	58	92
1960	1,946	90	..	1,224	3,260	44	73	117
1961	2,096	121	320	1,734	4,271	38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40	701	3,290	58	97	155
1964	2,337	207	36	650	3,230	72	111	183
1965	2,309	193	24	625	3,151	49	244	293
1966	2,281	225	..	985	3,491	39	142	181
1967	2,270	297	..	777	3,344	35	157	192

*Groups I, II and III. Does not include
extra fire fighters or tree planters.

**Retirements, superannuations and deaths.

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375

SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of July 31, 1967

GROUPS	Head Office	Field	Total
Agricultural Technicians.....	2	3	5
Air Engineers.....	34	8	42
Biologists.....	12	48	60
Cartographers.....	4	..	4
Clerks.....	131	219	350
Communications Technicians...	9	17	26
Computer Programmer.....	3	..	3
Conservation Officers.....	8	245	253
Construction Superintendents.	..	3	3
Cooks and Food Service.....	6	4	10
Departmental Accountants.....	19	25	44
Draughtsmen.....	42	..	42
Drivers.....	5	10	15
Economists.....	3	..	3
Engineering Staff.....	3	..	3
Executive Officers.....	14	1	15
Fish Culturists.....	..	15	15
Foresters.....	48	124	172
Forestry Technicians.....	10	674	684
Highway Equipment Operators..	..	18	18
Inspector of Surveys.....	6	..	6
Instructors.....	9	..	9
Legal Officers.....	3	..	3
Machine Operators.....	23	..	23
Maintenance Staff.....	11	63	74
Mechanics.....	..	47	47
Miscellaneous Staff.....	21	..	21
Parks and Land Planners.....	4	..	4
Personnel Officers.....	9	..	9
Pilots.....	19	20	39
Photographers.....	3	..	3
Public Relations Officers....	5	..	5
Radio Operators.....	3	20	23
Rangers.....	5	180	185
Research Scientists.....	18	11	29
Research Supervisors.....	3	2	5
Safety Instruction Officers..	..	10	10
Section Supervisors.....	13	..	13
*Senior Administrative Officers	12	26	38
Stationary Engineers.....	5	6	11

SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary Staff as of July 31, 1967.

GROUPS	Head Office	Field	Total
Stenographic Staff.....	119	128	247
Systems and Procedures Officers	8	..	8
Technician Equipment Development	3	..	3
Technician Laboratory.....	3	..	3
Technician Photographic.....	8	..	8
Total:.....	666	1927	2593

	Class 7	..	8	8
	Class 6	4	45	49
	Class 5	..	78	78
FORESTRY	Class 4	1	207	208
TECHNICIANS	Class 3	3	117	120
	Class 2	1	162	163
	Class 1	1	57	58

	Class 7	..	3	3
	Class 6	1	10	11
	Class 5	1	18	19
CONSERVATION	Class 4	1	30	31
OFFICERS	Class 3	4	28	32
	Class 2	..	144	144
	Class 1	1	12	13

*Assistant Deputy Minister.	1
Regional Directors.....	3
Branch Chiefs.....	10
Director Ontario Forest	
Technical School.....	1
Regional Forester.....	1
District Foresters.....	22

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau.....	14	15	23	26	40	46	39	38	35
Cochrane.....	12	25	25	21	26	36	39	45	39	35	24
Fort Frances.....	14	16	14	14
Geraldton.....	10	10	10	15	35	24	27	48	59
Gogama.....	10	15	12	21	25	34	43	27	38	36
Kapuskasing.....	8	10	14	12	12	21	32	43	33	28	34
Kenora.....	11	..	..	..	10	..	10	11	25
Lindsay.....	12	15	14	14	25	29	46	..	..	..
North Bay.....	10	13	12	18	21	26	27	21	22	30	38	38	38	48	35
Parry Sound.....	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36
Pembroke.....	12	29	20	40	42	32	32	35	42	51	48	42	34
Port Arthur.....	13	15	11	8	24	13	36
Sault Ste. Marie	..	10	10	11	13	22	20	20	31	37	60	53	75	73	64
Sioux Lookout...	9	12	21	19	..	11	13	13
Sudbury.....	..	7	15	13	20	26	16	14	14	23	24	42	76	51	46
Swastika.....	8	28	32	24	24	27	31	11	43	24	24
Tweed.....	9	21	19	18	15	24	29	32	26	..	..	..
White River.....	12	11	22	23	28	42	62	39	49
TOTAL.....	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965	1966	1967
Chapleau.....	37	36	69	88	112	124	134	123	129
Cochrane.....	24	25	36	33	57	67	69	90	89
Fort Frances.....	23	12	12	24	49	42	45	65	69
Geraldton.....	64	46	60	55	94	113	115	116	116
Gogama.....	39	37	47	35	56	67	65	86	92
Kapuskasing.....	40	36	36	39	62	72	69	65	69
Kenora.....	26	13	12	13	39	45	47	89	85
Lake Huron.....	..	..	..	..	..	..	..	24	23
North Bay.....	38	26	36	34	73	113	121	113	115
Parry Sound.....	37	36	46	55	93	137	139	136	134
Pembroke.....	34	24	33	37	71	70	70	69	70
Port Arthur.....	39	24	25	36	132	137	135	130	138
Sault Ste. Marie.	63	67	64	65	119	136	141	136	135
Sioux Lookout....	15	13	..	23	47	49	54	76	74
Sudbury.....	39	49	48	57	113	138	140	137	139
Swastika.....	26	24	48	40	98	116	113	114	110
White River.....	49	35	47	47	85	93	94	89	88
TOTAL	593	503	619	681	1,300	1,519	1,551	1,658	1,675

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of May 29, 1967)	ADMINISTRATIVE DISTRICT			FIRE DISTRICT		
	Land	Water	Total	Land	Water	Total
Chapleau.....	6,380	640	7,020	6,380	640	7,020
Cochrane.....	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Gogama.....	5,931	446	6,377	5,931	446	6,377
Kapuskasing.....	17,776	750	18,526	17,776	750	18,526
Kemptville.....	5,632	313	5,945	596	31	627
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	228	19	247
Lindsay.....	5,097	1,692	6,789	2,718	232	2,950
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,749	409	5,158
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	8,066	3,380	11,446	7,923	3,321	11,244
St. Louis Lookout.....	103,392	10,610	114,002	67,778	7,512	75,290

Sudbury.....	7,662	4,298	11,960	6,538	1,243	7,781
Swastika.....	5,270	291	5,561	5,270	291	5,561
Tweed.....	6,734	1,706	8,440	4,465	311	4,776
White River.....	6,400	3,051	9,451	6,400	3,051	9,451
TOTAL.....	344,092	68,490	*412,582	269,491	43,510	313,001

*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2,183 feet above mean sea level.

(SEE MAP OF DISTRICTS, PAGE 141)

ASSISTANT DEPUTY MINISTER
R. D. K. ACHESON

REGIONAL DIRECTORS

L. RINGHAM----- NORTHWESTERN
Forestry Building,
14 North Algoma Street,
Port Arthur.
Telephone 345-6543
Area Code: 807

A. J. HERRIDGE----- NORTHEASTERN
174 Douglas Street,
Sudbury.
Telephone 673-1111
Area Code: 705

D. R. WILSON----- SOUTHERN
R. R. 2,
Maple.
Telephone Toronto 884-8141
Area Code: 416

REGIONAL FORESTER

T. W. HUESTON----- SOUTH-CENTRAL
Box 1598,
Huntsville.
Winter Telephone: 789-7121
Summer Telephone: 633-5572
Algonquin Provincial Park
Area Code: 705

CHAPLEAU FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: 34 Birch Street, Chapleau		864-1710
Radio Room...after hours		864-1711
Chief Ranger...after hours		864-1712
Air Service...after hours		864-1713
District Forester	*A. H. Peacock	864-1122

SUPERVISORS

Accounts	L. Lingenfelter	864-0587
Fish and Wildlife	V. Crichton	864-1710
Biologist	R. Lewies	864-1231
Forest Protection	*J. E. Anderson.....	864-1843
Lands	W. E. MacPhail	864-1146
Parks	W. E. MacPhail	864-1146
Timber	*C. R. Groves.....	864-0143
Scaling .....	.....

CHIEF RANGERS

Chapleau	*L. T. Cecile	864-1710(1453)
Biscotasing .....	.....	866

DEPUTY CHIEF RANGERS

Chapleau	F. R. Bergin.....	864-1710(1842)
Chapleau	L. G. Woods	864-1710(1685)
Chapleau	G. F. McAuley	864-1710(1535)
Chapleau	H. G. Kohls.....	864-1710(0108)
Sultan	G. Dingee	875(862)
Missanabie.....	R. H. Dunne.....	834(1237)

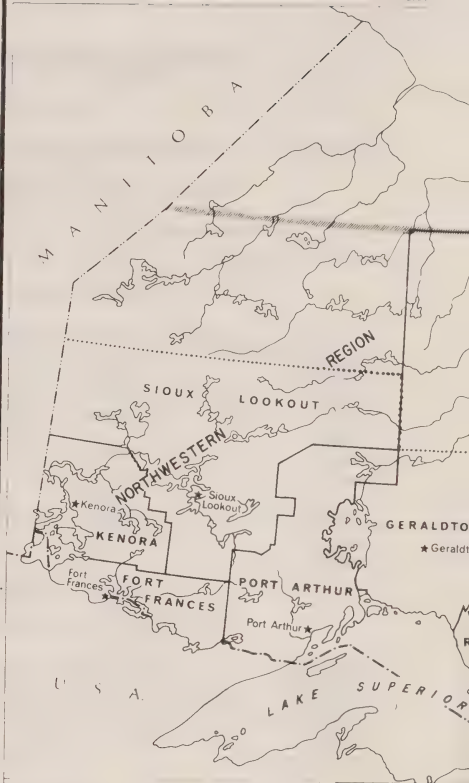
NURSERY

Chapleau	M. E. Hawkins	864-1717(1547)
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PROVINCIAL PARKS

Five Mile Lake.....	864-1710
The Shoals	864-1710

*Duty Officers



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
ADMINISTRATIVE
DISTRICTS and REGIONS
OF THE
ONTARIO
DEPARTMENT OF LANDS AND FOR



LEGEND

REGIONAL BOUNDARIES

DISTRICT BOUNDARIES

LIMIT OF FIRE DISTRICT

NORTHERN LIMIT OF AREA
UNDER ORGANIZED PROTECTION

DISTRICT OFFICE

★ Gogama

COCHRANE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 140 Fourth Avenue, Cochrane..... 272-4365

District Forester..... *L. H. Eckel 272-4365(5056)

SUPERVISORS

Accounts	F.W. Barnes.....	272-4365(4796)
Fish and Wildlife	S. Nodwell	272-4365(4869)
Forest Protection	*G. P. Elliott	272-4365(4492)
Assistant	*D. O'Grady	272-4365
Lands	H.E. Wright	272-4365(5207)
Parks	D.E. Stewart	272-4365(5233)
Timber	J.R. McKnight	272-4365(4503)
Scaling	J.H. Butts	272-4365(5291)

CHIEF RANGERS

Cochrane	*A. C. Hutchinson....	272-4892(5326)
Timmins	A. F. Papineau	264-1262(1678)
Wade Lake	R. Woodall	Iroquois Falls 258-3415 (3414)

DEPUTY CHIEF RANGERS

Cochrane	W.R. Doyon	272-4892(4130)
Cochrane	W.J. Froude....	Frederickhouse 1r2
Cochrane	A.E. Ross	272-4892(4997)
Timmins	J.D. Bond	264-1262(267-3574)
Timmins	K.G. Wiskin	264-1262(0829)
Timmins	E. Everley	264-1262(5086)
Timmins	R.H. Wagner	264-1262(2669)
Smooth Rock Falls	K.C. Veitch	338-2771(2614)
Moosonee.....	R.G. Clermont....	336-2241(2549)

PROVINCIAL PARKS

Greenwater .....	.....	Cochrane 272-4892
Kettle Lakes	P. Baxter .Connaught	3121(264-3850)
Charles Island .....	.....	Moosonee 336-2241

*Duty Officers.

FORT FRANCES FOREST DISTRICT

	Area Code: 807	Telephone	
		Office	Home
OFFICE: 922 Scott Street, Fort Frances ...		274-5337	
District Forester	*R.A. Balkwill	274-5337	274-6293

SUPERVISORS

Accounts.....	A.R. Taylor	274-5337	274-9406
Fish and Wildlife ..	D.J. D'Agostini ..	274-5337	274-6695
Biologist.....	A. Stasus	274-5337	274-6616
Forest Protection .	*R.V. Brady	274-5337	274-9818
Lands and Parks ..	L.L. Rawn	274-5337	274-6176
Timber	E. Markus	274-5337	274-3991
Scaling	A.J. Bull	274-5337	274-9419

CHIEF RANGERS

Fort Frances.....	*J.A. Murphy	274-5337	274-5704
Atikokan	F. Dustak	6850	28568

DEPUTY CHIEF RANGERS

Fort Frances	A.J. Korpi.....	274-5337	274-6522
Fort Frances	S.V. Roberts.....	274-5337	274-5680
Fort Frances	F.R. Dumeney ...	274-5337	274-6534
Atikokan.....	M.J. Kaliska.....	6850	28562
Rainy River	S.A. Kellar	852-3801	852-3360

UNIT FORESTER

Atikokan	A.G. Dougall.....	2188	6266
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PROVINCIAL PARKS

Caliper Lake	B. Houck		
	One-Sided Lake...	484-2181	484-5362
Lake of the Woods .	D.B. McGregor...	488-5531	274-3764
Quetico	C.R. Williams		
	Atikokan	6850	28563

*Duty Officers.

GERALDTON FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Beamish Avenue, Geraldton 854-1030

District Forester *D.E. Gage 854-1121

SUPERVISORS

Accounts	B.J. Scalzo	854-1030
Fish and Wildlife	E.H. Stone	854-1030
Biologist	B.H. Gibson	854-1030
Forest Protection	*M.J. Morison	854-0466
Lands and Parks	A.F. Parker	854-1030
Timber	W.K. Fullerton	854-1030
Scaling	P. Harkema	854-1030

CHIEF RANGERS

Geraldton	P. Bellavance	854-1600
Longlac	R. W. Koski	876-2351
MacDiarmid	J.P. King	1r2
Pays Plat	B.J. Lapenskie	83
Nakina	J.K. Cleaveley.....	80

DEPUTY CHIEF RANGERS

Geraldton	M. Wasyliw	854-1600
Geraldton	E.D. Turner	854-1600
Longlac	M. Linard.....	876-2351
Longlac	A. Hoshino	876-2351
MacDiarmid	B.A. Norris	1 R 2
MacDiarmid	W.L. Cox.....	1 R 2
Pays Plat.....	K.E. Bowler.....	83
Nakina	T.B. Scott	80

PROVINCIAL PARKS

Blacksand	J.P. King	MacDiarmid 1r2
Klotz Lake.....	R.W. Koski	Longlac 876-2351
MacLeod Lake	P. Bellavance ..	Geraldton 854-1600
Neys	B.J. Lapenskie	Schreiber 83
Rainbow Falls	B.J. Lapenskie	Schreiber 83

* Duty Officers.

GOGAMA FOREST DISTRICT

Area Code: 705

Telephone
Office Home

OFFICE: Low Avenue, Gogama.....	96	...
District Forester..... I. B. Earl.....	96	37

SUPERVISORS

Accounts..... J. D. Petrony	96	106
Fish and Wildlife	96	...
Forest Protection.....	96	...
Lands and Parks..... E. N. Arbuckle	96	186
Timber..... *L. J. Forcier.....	96	98
Scaling..... E. Dew.....	96	7

CHIEF RANGERS

Gogama..... *C. Dionne	84	94
Foleyet..... *J. R. Languerand	98	70

DEPUTY CHIEF RANGERS

Gogama	R. A. Carriere	84	148
Gogama	R. A. Beauchamp	84	60
Gogama	D. S. Stewart	84	137
Foleyet	*W. E. Belisle	98	62
Foleyet	J. E. L. Morin.....	98	89
Foleyet	G. H. Herron.....	98	154

PROVINCIAL PARK

Ivanhoe..... J. R. Languerand		
	Foleyet	98 70

*Duty Officers.

KAPUSKASING FOREST DISTRICT

Area Code: 705 (807)

Telephone

OFFICE: 5 Government Road, Kapuskasing..... (705) 335-2231

District Forester..... *D. A. Fawcett 335-5503

SUPERVISORS

Accounts	R. W. E. Stone	335-3360
Fish and Wildlife.....	M. R. Cusson	335-2438
Forest Protection	*J. L. Canfield	335-4154
Lands.....	*A. J. McGoey	335-5062
Parks.....	A. J. McGoey	335-5062
Timber.....	*J. W. Lloyd.....	335-3886
Scaling.....	V. M. Silver	335-5664

CHIEF RANGERS

Kapuskasing	J. H. Clavelle	335-2187
Hearst	G. L. Jones	362-4356
Hornepayne.....	L. E. Grife	(807) 125

DEPUTY CHIEF RANGERS

Kapuskasing	J. A. Millette.....	335-4510
Kapuskasing	J. G. Duhaime.....	Opatika 3341
Kapuskasing	D. C. Jones	335-5414
Hearst	B. R. Blais.....	362-4346
Hearst	F. J. Labonte	Mattice 4480
Hearst	J. H. Thompson.....	362-4981
Hornepayne.....	.....	90
Hornepayne.....	.....	....

PROVINCIAL PARKS

Nagagamisis.....	C. A. McDonald ...	Hornepayne 90
Remi Lake	J. L. Sigouin	335-2321

*Duty Officers

KEMPTVILLE FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Provincial Government Bldg., Kemptville.. 258-3413
 Nights, Holidays 258-2298
 (Direct Line from Head Office)

District Forester *W.H. Charlton 258-2304

SUPERVISORS

Accounts.....	F.S. Bumstead	258-2483
Sr. Conservation Officer ..	D.O. Sylvester	258-2280
Forest Protection.....	*D.D. White	258-2780
Lands	D.D. White	258-2780
Parks	*E.A. Green	258-3209
Timber	*P.E. Anslow	258-2408

DEPUTY CHIEF RANGER

Lanark	D. Kennedy	
	Carleton Place	257-1615

ZONE FORESTERS

Kemptville	M. Schaefer	
	Merrickville	269-3352
Kemptville	A.J. Campbell	258-2523
Kemptville	C.F. Coons	258-2705
Alexandria	B. Warwick	525-2443
Lanark	M. Millar.....	259-2108

NURSERY

Kemptville	*H.H. de Vries	258-2323
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PROVINCIAL PARKS

Fitzroy	F.W. Irwin	Arnprior 623-5159
Rideau River	J.R. Uens	Kemptville 258-2817
Silver Lake	C. Dawson.....	Maberly 9r31
South Nation .....	.....	Plantagenet 673-5072
Murphy's Point .....	.....	.....
Carillon .....	.....	.....

*Duty Officers

KENORA FOREST DISTRICT

	Area Code: 807	Telephone	
		Office	Home
OFFICE: 936 Park Street, Kenora.....		468-9841	.....
District Forester... *K.K. Irizawa		468-9841	468-6223

SUPERVISORS

Accounts.....	G. C. McChesney	468-9841	468-8190
Fish and Wildlife ...	D. M. Brooks.....	468-9841	468-9174
Forest Protection ..	*H. R. Redding	468-9841	468-7548
Lands	J. A. Wynd.....	468-9841	548-4094
Parks	H. J. Featherston ...	468-9841	468-5450
Timber.....	*R. J. Burgar	468-9841	468-9137
Scaling	G. C. Mackey.....	468-9841	547-2347

CHIEF RANGERS

Kenora	J. G. Minor	468-6600	468-8177
Dryden	L. E. Fleguel	223-2341	223-6644

DEPUTY CHIEF RANGERS

Kenora	C. R. Biggar	468-6600	468-8177
Kenora	W. Neculeac	468-6600	468-9691
Kenora	A. W. Stone	468-6600	468-5106
Kenora	J. W. Mulash	468-6600	468-7478
Kenora	H. P. Endress	468-6600	547-2437
Minaki	R. B. Little .	8	.....
Dryden	M. L. Frenette	223-2341	938-6497
Dryden	W. O. Hansson	223-2341	223-2521
Dryden	A. E. Lundmark.....	227-2660	938-6316
Dryden	R. J. Kincaid	226-5668	223-6923
Dryden	R. W. McGillivray ...	223-2341	938-6556
Sioux Narrows.....	H. D. Morrison.....	180	180
Vermilion Bay.....	V. D. R. Kujansuu....	227-2660	227-2607

PROVINCIAL PARKS

Aaron	M. L. Frenette	938-6312	937-5386
Blue Lake	M. L. Frenette	227-2601	937-5386
Rushing River.....	C. R. Biggar	548-9902	468-8177
Sioux Narrows	C. R. Biggar .....	.....	468-8177

*Duty Officers

LAKE ERIE FOREST DISTRICT

Area Code: 519 (416)

Telephone

OFFICE: 353 Talbot Street West, Aylmer West

Aylmer (519)

773-9241

District Forester ... W.B.M. Clarke

773-9284

SUPERVISORS

Accounts G.B. Fewings 773-8253

Fish and Wildlife ... R.M. Christie..... 773-3375

Lands and Parks ... *K.A. Cameron 773-9828

Timber *E.F. Johnston 773-3252

MANAGEMENT FORESTERS

London J.A. Fingland 438-7126

Dunnville D.A. Scott (416) 774-5811

Home (416) 774-5359

FARM FORESTER

Aylmer E.G. Wilson 773-9241

Home, St. Thomas 631-2713

NURSERY

St. Williams W.E. Edwards 586-3863

Home 586-2042

RESEARCH STATION

Fisheries Research Station Dr. R.G. Ferguson Wheatley 825-4171

Home 825-4360

FISH HATCHERY

Normandale Fish Hatchery J.W. Anderson ... Simcoe 426-3142

Home 426-5671

PROVINCIAL PARKS

Holiday Beach R.E. Madill.... Amherstburg 736-3772

Ipperwash..... J.A. Matheson Thedford 296-4652

Clay Creek J.A. Matheson Thedford 296-4652

Long Point T.L. Beck..... Port Rowan 586-2133

Pinery M.F. Jackson..... Thedford 296-4462

Port Bruce..... District Office.. Aylmer West 773-9241

Rock Point, Dunn and Selkirk P.A. Strassburger 776-6597

Selkirk (416)

Rondeau J.H. Lever Ridgertown 674-2137

John E. Pearce J.H. Lever Ridgertown 674-2137

St. Williams St. Williams Nursery, Pt. Rowan 586-3863

Turkey Point W.G. Strowger Simcoe 426-3239

Wheatley J.W. Sulston Wheatley 825-4761

*Duty Officers

149

LAKE HURON FOREST DISTRICT

Area Code: 519

Telephone

OFFICE: Beavertdale Road, Hespeler 658-9356
(Direct Line from Head Office)

District Forester F.L. Hall..... 623-3723

SUPERVISORS

Accounts	H.W. Makcrow	658-4015
Fish and Wildlife	D.R. Johnston	653-9976
Biologist	W.D. Mansell	824-6125
Timber, Forest Protection .....	.....	.....
Lands and Parks	R.W. Jordan.....	822-1967

ZONE FORESTERS

Hespeler (Galt Zone)	G.H. Murchison	589-4005
Hespeler (Guelph Zone)....	W.J. Lovering	821-2967
Stratford	F. Janser	271-0823
Owen Sound (Bruce County)	H.P. VanBers	376-4190
Owen Sound (Grey County) .	V.W. Fisk.....	376-9391

FARM FORESTER

Hespeler.....	R.C.A. Gilbert	621-9383
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PROVINCIAL PARKS

Craigleith.....	A. MacDonald	
	Collingwood	445-4467
Inverhuron.....	G.E. Brown... Tiverton	69r6
Point Farms	C.E. Bates... Goderich	524-7124
Sauble Falls.....	S.H. Siegrist Hepworth	935-2354

LAKE SIMCOE FOREST DISTRICT

Area Code: 416 (519, 705)

Telephone

OFFICE: R. R. 2, Maple..... Richmond Hill (416) 884-8141
Duty Officers884-8142

District Forester..... *A. W. Leman..... ext 218(884-1787)

SUPERVISORS

Accounts G. C. Bragg..... ext 215
Fish and Wildlife R. H. Trotter ext 211
Biologist..... A. A. Wainio ext 211
Lands W. M. Mitchell ext 224
Parks H. V. Berg..... ext 222
Timber..... F. C. Robinson ext 221 (429-2778)
Forest Protection *F. C. Robinson ext 221 (429-2778)

ZONE FORESTERS

Maple *J. D. Griffiths..... ext 220 (473-5852)
Orangeville (519) 941-4370
Angus W. S. McNeice..... (705) 449-5312

FARM FORESTER

Maple *R. N. Staley..... ext 213(727-5919)

UNIT FORESTER

SRMU, Coldwater..... E. G. Gillespie (705) 686-3342

DEPUTY CHIEF RANGER

Severn..... H. D. Cochrane..... (705) 686-3342

TREE SEED PLANT

Angus J. M. Halpenny (705) 449-5311

NURSERY

Midhurst..... J. M. Halpenny..... (705) 728-2846

PROVINCIAL PARKS

Bass Lake R. G. Ellis..... (705) 326-7054
Devils Glen L. W. O'Dell (705) 429-2516
Earl Rowe W. Braden..... (705) 435-7291
Mara..... (705) 326-4451
Sibbald Point..... J. T. Linklater (416) 722-5182
Six Mile Lake..... B. W. Whalen (705) 686-3342
Springwater..... C. D. Jackson (705) 728-7393
Wasaga Beach..... L. W. O'Dell (705) 429-2516

*Duty Officers.

LINDSAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Ontario Government Building,
322 Kent Street West, Lindsay..... 324-6121
(Direct Line from Head Office)
District Forester..... *A. E. Walroth 324-6121 L2

SUPERVISORS

Accounts H. C. Wallwin 324-6121 L6
Fish and Wildlife *P. W. Swanson 324-6121 L26
Forest Protection..... *B. B. Benson 324-6121 L12
Lands *G. Simons 324-6121 L14
Parks *P. R. Davidson 324-6121 L10
Timber..... *R. A. Lockhart 324-6121 L9
Scaling *W. E. Everett 324-6121 L8

CHIEF RANGERS

Minden P. J. Cassidy..... 219W
Gooderham..... W. SarginsonHaliburton 300w4

DEPUTY CHIEF RANGERS

Minden M. J. O'Neill 219W
Gooderham..... H. N. BatesHaliburton 300w4
Apsley J. M. Scott..... 656-4361
Haliburton S. A. Shields 387W

UNIT FORESTERS

Lindsay..... A. P. Matiece 324-6121
Lindsay..... B. G. Cross 324-6121
Orono L. J. Haas
Brighton..... R. W. Tippet 475-2204

FARM FORESTER

Lindsay P. H. Rennick 324-6121

NURSERY

Orono W. R. Bunting 983-9147

HATCHERIES

Codrington (Fish)..... G. Groondahl Brighton 475-2512
Codrington (Pheasant)... E. R. Mound Brighton 475-0692
Deer Lake (Fish)..... J. M. HuntHavelock 778-3391

PROVINCIAL PARKS

Emily R. J. White Omemee 799-5170
Balsam Lake..... Coboconk 454-3252
Darlington J. A. Robertson Oshawa 723-4341
Presqu'ile R. W. Tippet (Acting) Brighton 475-2204
Serpent Mounds..... Keene 295-6666

*Duty Officers.

NORTH BAY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Northland Trust Building,
222 McIntyre Street West, North Bay..... 474-5550
(Direct line from Head Office)

District Forester *W.L. Sleeman 474-7606

SUPERVISORS

Accounts	J.E. Rogers	472-8426
Fish and Wildlife	A.S. Holder Callander	752-3477
Forest Protection	*F.M. Miller.....	474-5716
Lands	W.G. Turnbull	472-1744
Parks	A.D. Tremblay	474-5712
Timber	*D.E. Honeyborne .....	.....
Scaling	R.E. Chornopski	474-8493

CHIEF RANGERS

North Bay	*H.N. Whalen	474-5645
Temagami	J.E. Rumney	569-2231

DEPUTY CHIEF RANGERS

North Bay, Headquarters ..	J.A. Bedard	472-6056
North Bay, Fire	*R.H. Smith	472-8192
North Bay, Timber	T.M. McCormick	472-4487
Champlain	C.H. Laberge . Mattawa	744-2276
Marten River.....	H.J. Edmundson	8r3
Haddo .....	.....Monetville	898-2441
Temagami	E.E. Lafleur Latchford	45
Temagami, Fire.....	H.G. Smith	569-8481
Temagami, Headquarters..	F.E. Cannon	569-3591
Temagami, Lands	R.V. Coulombe	569-6211

PROVINCIAL PARKS

Antoine .....	..... Mattawa	744-2251
Finlayson Point.....	G.C. Lockhart	
	..... Temagami	569-6368
Marten River	H.J. Edmundson	8r3
Samuel de Champlain	C.H. Laberge Mattawa	744-2276

FISH HATCHERY

Balsam Creek	N.B. Hollingsworth	
	..... Redbridge	663-2688

*Duty Officers

PARRY SOUND FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 4 Miller Street, Parry Sound 746-2141

District Forester M. A. Adamson 746-2839

SUPERVISORS

Accounts	G. F. Walter	746-2389
Fish and Wildlife	*C. W. Douglas	746-8622
Sr. Conservation Officer ..	*J. A. Macfie	746-8330
Biologist	J. Zimmerman	746-8668
Forest Protection	*D. Burns	746-2672
Lands	T. H. Croswell	746-5513
Parks	W. R. Peck	746-8808
Timber	W. A. Perrin	746-2479
Scaling	A. J. Tracy	746-8309

CHIEF RANGERS

Parry Sound	*J. A. Shalla	746-5541(9815)
Powassan	J. L. Hamill	724-2640(2837)
Bracebridge	J. A. Simpson ..	645-4081(687-2519)

DEPUTY CHIEF RANGERS

Parry Sound	J. M. McEwen ..	McKellar 17r22
Powassan	E. R. Brooks.	Trout Creek 723-5361
Bracebridge	J. Mathews	645-2238
Ardbeg	R. J. Simms .	Parry Sound 746-9881
Dorset	J. S. Booker	746-2212(2253)
Byng Inlet (Britt)	M. C. Kennedy	383-2361(2361)
Loring	R. F. Kimberley	757-2040(2168)

UNIT FORESTERS

Parry Sound	J. Strickland	746-2657
Powassan	R. O. Brandes	724-2908
Bracebridge (Farm Forestry Technician)	M. Salt	645-4607

PROVINCIAL PARKS

Grundy Lake	F. Irwin	Britt 383-2369
Killbear Point	R. Brookland	Nobel 342-5492
Mikisew	A. White	South River 386-2271
Oastler Lake	G. McRoberts...	Orrville 378-2202
Restoule	J. Graham	Golden Valley 729-5707
Sturgeon Bay	H. Tigert	Pointe au Baril 366-2281
Arrowhead	A. Rand	Huntsville 789-5105

*Duty Officers.

PEMBROKE FOREST DISTRICT

Area Code: 613 (705)

Telephone

OFFICE: 162 Agnes Street, Pembroke (613) 732-3661
 Duty Officers..... 732-3664
 District Forester *F.E. Sider 735-5718

SUPERVISORS

Accounts G. N. McGeachy..... 732-3661
 Fish and Wildlife H. E. Deedo..... 732-3661
 Biologist M. L. Wilton..... 732-3661
 Forest Protection *L. Bronson.....
 Lands J. Orme 732-3661
 Parks J. E. Collard 732-3661
 Timber *J.R. Oatway 732-4042
 Construction J. A. Hindman 732-3661
 Scaling J. H. Bingley..... 732-2911

CHIEF RANGERS

Pembroke..... *R. N. Cousineau.... 732-3664(4106)
 Whitney..... H. W. Hanes..... (705) 637-2780
 Stonecliffe F. Mitchell..... 586-2604

DEPUTY CHIEF RANGERS

Pembroke M. I. Mantifel..... 732-3664
 Pembroke D. F. Palubiski 732-3664
 Whitney M. L. Doney (705) 637-2780
 Whitney W. A. Lentz (705) 637-2780
 Whitney S. E. Cameron (705) 637-2780
 Whitney K. H. Moore (705) 637-2780
 Stonecliffe R. C. Bilsborrow..... 586-2604
 Stonecliffe J. I. Kulack 586-2604
 Achray A. E. Prange
 Achray J. R. Mask
 Kiosk W. D. Christie 841
 Round Lake C. R. Buske..... Killaloe 632R13

UNIT FORESTERS

Pembroke C. R. Gray 732-3661
 Pembroke W. Vonk 732-3661
 Pembroke W. W. Wahl..... 732-3661
 Pembroke Farm Forester . L. C. Scales 732-3661

PROVINCIAL PARKS

Algonquin..... T. W. Hueston. (705) 633-5572(5542)
 Carson Lake Barry's Bay 131J3
 Driftwood..... Stonecliffe 586-2371

FISH HATCHERY

Pembroke..... W. T. Marston. Petawawa 687-5935

*Duty Officers.

PORT ARTHUR FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: 14 North Algoma Street, Port Arthur 345-6543
(Direct Line from Head Office)
District Forester *G. A. Hamilton 344-6793

SUPERVISORS

Accounts.....	J.D. Chadwick	345-6543
Fish and Wildlife	C.A. Elsey	344-0501
Biologist.....	H.R. Timmerman	344-4968
Forest Protection.....	*F.M. Dodds	344-5417
Assistant	*J. Russell	344-7721
Lands	W.H. Jarvis	345- 6543
Parks.....	E. Diamond	345-6543
Timber	J.F. Flowers	345-6543
Scaling	A.G. Strey.....	345-6543

CHIEF RANGERS

Port Arthur	*S. O. Russell	344-8157
Armstrong	A. A. Gordon	42
Shebandowan	G. C. Murray	926-2861

DEPUTY CHIEF RANGERS

Port Arthur	V. Hansen .....	.....
Armstrong	A. Van Rooyen .....	.....
Armstrong	R.D. Killer .....	.....
Shebandowan	G.J. Frenette .....	.....
Fort William	N.J. Small .....	.....
Upsala	J. Monteith .....	.....
Nipigon	A. Martin .....	.....

NURSERY

Fort William..... A. Wynia 577-3011

PROVINCIAL PARKS

Inwood	A. Van Eck	
Kakabeka Falls	G. Whitefield	577-1641
Middle Falls	T. Hill	Pigeon River 1r23
Sibley	E. Murphy	

*Duty Officers.

SAULT STE. MARIE FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 875 Queen Street East (Rear),
 Aerodrome Building, Sault Ste. Marie 949-1231
 (Direct Line from Head Office)
 After hours 949-1234
 District Forester J.S. Ball Residence 253-8564

SUPERVISORS

Accounts.....	G. J. Murray	254-3847
Fish and Wildlife	R. G. Bailey.....	254-4711
Biologist.....	C. H. Olver	254-5781
Forest Protection	*W. H. Forman.....	949-3572
Fire Duty Officer	*K. T. Fuller.....	256-5343
Forest Research	A. G. Gordon.....	254-5342
Fisheries Research.....	C. A. Lewis.....	253-3442
Lands	J. M. Small	253-6933
Parks	G. M. Connell	
	..... Bruce Mines	785-3458
Timber	*W. C. Stevens	253-8397
Scaling	M. V. Osborne	254-1685

CHIEF RANGERS

Sault Ste. Marie	C. E. Tregonning	253-3478
Blind River	J. A. Huppe.....	356-7166
Lake Superior.....	E. M. Montgomery Wawa	856-4278

DEPUTY CHIEF RANGERS

Sault Ste. Marie	L. G. Bell	254-1774
Sault Ste. Marie	L. J. Pigeon	253-1952
Blind River	J. R. Morin	356-7641
Blind River	H. J. Stoneman	356-2655
Kirkwood	D. W. Hemphill Thessalon	842-5783
Kirkwood	I. E. Seabrook Thessalon	842-5723
Kirkwood	C. W. Stoneman Thessalon	842-5643
Red Rock	G. N. Gibson Wawa	856-7051
Pancake Bay	R. H. Gemmill.... Batchawana	2317
Mount Lake	G. R. Murray.... Iron Bridge	8r2
Ranger Lake	A. R. McClelland	
	..... Desbarats	782-6704
Elliot Lake.....	C. J. Osborne	848-2741
Agawa	F. E. Senecal Wawa, Agawa Bay	312
Peshu Lake	C. D. Vaughan, Echo Bay.	37R2

KIRKWOOD MANAGEMENT FOREST

Little Rapids, Thessalon	R. J. Lynn	842-2610
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PROVINCIAL PARKS

Batchawana	R. H. Gemmill, Batchawana	2317
Lake Superior.....	F. E. Senecal Wawa, Agawa Bay	312
Mississagi	C. J. Osborne Elliot Lake	848-2741
Pancake Bay	R. H. Gemmill, Batchawana	2317

*Duty Officers

SIoux LOOKOUT FOREST DISTRICT

Area Code: 807

Telephone

OFFICE: Provincial Building,
18 Fourth Avenue, Sioux Lookout. 737-1140
District Forester *R. A. Baxter 737-2261
Assistant *J. E. Barnes 737-3620

SUPERVISORS

Accounts D. W. Munch 737-2892
Fish & Wildlife..... C. E. Perrie 737-1562
Biologist D. A. Hagan..... 737-3459
Biologist G. L. Penney..... 737-3742
Forest Protection..... *E. W. Bouchey 737-3622
Lands & Parks E. Fraehlich..... 737-2953
Timber..... J. A. Waddell..... 737-1456
Management Forester..... E. D. Berry 737-3792
Management Forester..... J. Pohanka 737-1530
Management Forester..... J. H. Sellers 737-1033
Scaling K. A. Alexander 737-1530

CHIEF RANGERS

Sioux Lookout... .. G. M. Fenelon..... 737-1140(1730)
Red Lake..... D. R. Williams 475(22)
Pickle Lake R. Paterick 3111(4302)
Ignace F. R. Nicoll 934-2233(2449)

DEPUTY CHIEF RANGERS

Sioux Lookout G. A. Baverstock 737-1140(1229)
Sioux Lookout C. W. Clark 737-1140(3099)
Sioux Lookout R. J. Landry 737-1140(2146)
Sioux Lookout S. A. Sprager 737-1140(1779)
Red Lake A. R. Larson..... 475(755)
Red Lake..... L. T. Anderson..... 475 (352)
Red Lake R. Schroeder..... 475
Pickle Lake I. Lawson 3111(3471)
Ignace D. R. Fortner 934-2233
Ear Falls W. G. Davenport..... 140

PROVINCIAL PARKS

Pakwash R. Williams.....
Ojibway..... G. Fenelon
Sandbar Lake F. R. Nicoll.....

*Duty Officers.

SUDBURY FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 174 Douglas Street, Sudbury 673-1111
(Direct line from Head Office)

District Forester *G. A. McCormack 675-1624

SUPERVISORS

Accounts	G. A. Jennings	673-1973
Fish and Wildlife	C. F. Bibby	675-7815
Biologist	G. E. Thompson	673-1111
Forest Protection	*L. G. Ridsdill	675-6660
Fire Control Officer	*W. A. Humphrey	969-4910
Lands	A. S. Currie	566-0889
Parks	L. R. Davey	673-1012
Timber	H. Henry	566-0248
Scaling	L. Mantle	566-0392

CHIEF RANGERS

Sudbury	*W. Wetow	673-7458
Skead	V. E. Bragg	969-2361
Espanola	B. T. Cannon	869-1973

DEPUTY CHIEF RANGERS

Sudbury	L. Collard	897-5143
Sudbury	G. Van Horn	675-5815
Skead	D. R. Hand	969-4019
Skead	U. A. Penttinen	969-2400
Skead	A. T. Proulx	969-2503
Espanola	F. Noble	869-1569
Espanola	W. Piche	869-1675
Massey	E. A. Hansson ... Spanish	844-2880
Windy Lake	D. H. Kohls	966-2315
Jamot	W. Sarginson	857-2004

PROVINCIAL PARKS

Chutes	E. A. Hansson .. Spanish	844-2880
Fairbank .....	.....	.....
Killarney .....	.....	.....
Windy Lake	D. H. Kohls	966-2315

*Duty Officers

SWASTIKA FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: Swastika	Swastika	642-3222
District Forester ...	*S.R. Hamilton..Kirkland Lake	567-4659

SUPERVISORS

Accounts	H. Michiel	Kirkland Lake	567-7548
Fish and Wildlife ...	D. Waldriff ...	Kirkland Lake	568-8712
Biologist	J. F. Gardner..	Swastika	642-3489
Forest Protection ..	*W.G. Taylor .....	.....	.....
Lands	J.M. McDougall	.....	.....
	.....	Kirkland Lake	567-4732
Parks	H. Mattson	Kirkland Lake	567-4054
Timber	G. Brown.....	Kirkland Lake	567-6983
Scaling	F. Thib	Englehart	544-2136

CHIEF RANGERS

Swastika	*L.E. St. Pierre	642-3211 (567-4673)
Matheson	N.B. Pigeon	119(1416)
Elk Lake	G.O. Koistinen	28(100)

DEPUTY CHIEF RANGERS

Swastika West	E.C. Borden	642-3211 (3420)
Swastika East	M.C. Mitchell	642-3211
.....	.....	Englehart 544-7619
Matheson West	B.H. Milburn	119
Matheson East	G. Cahill	119(179)
Elk Lake.....	W.E. Bond	28(53)
Matachewan.....	D.W. Butler	Elk Lake 28(93)
Englehart.....	L.J. Wickware	544-2331 (2452)
Larder Lake	W.B. Hill.....	165(429)

NURSERY

Swastika	K.H. Reese	642-3339
	Kirkland Lake	567-9121

FISH HATCHERY

Hill Lake	P. Graf	Englehart 544-2834
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PROVINCIAL PARKS

Esker Lakes	O. Ranta.....	Swastika 624-3222
		Kirkland Lake 567-6760
Kap-Kig-Iwan	R.L. Hack ..	Englehart 544-2050 (7526)

*Duty Officers

TWEED FOREST DISTRICT

Area Code: 613

Telephone

OFFICE: Metcalfe Street, Tweed 478-2330

District Forester *N.D. Patrick 478-2425

SUPERVISORS

Accounts.....	J.A. Vance	478-3022
Fish and Wildlife	R.E. Whitfield	478-2513
Biologist	W.F. Cheshire	478-3437
Forest Protection	*B.T. Dunne	478-2906
Lands	L.G. Rowson	478-2527
Parks	*W.H. Cantelon	478-3111
Timber	*C.J. Heeney	478-3211
Scaling	W.F. Caverley	478-6512
Surveyor	D.E. Norris	478-2736

CHIEF RANGERS

Tweed	J.J. Shalla.....	478-2338 (2641)
Dacre.....	G.M. Samells ..	649-2418 (432-2602)
Bancroft.....	O. Goodman	47(989)
Napanee.....	E.W. Ferguson	354-3389 (3083)

DEPUTY CHIEF RANGERS

Tweed	D. Mumford	478-2338 (2208)
Dacre	J.J. Windle ...	649-2418 (432-5256)
Bancroft.....	E. Card	47(298)
Bancroft.....	J.I. McKenzie.....	47(526)
White Lake	H.E. Clark	335-2115 (198)
Plevna.....	W. Gorr	479-2268 (5520)
Palmer Rapids	R. Musclow.....	758-2020 (2724)

ZONE FORESTERS

Tweed	W.W. Hiscock ..	478-2330 (473-2538)
Dacre	W.H. Collins ..	649-2418 (432-5537)
Bancroft.....	F. Walker	47(404)
Napanee	E. Edson	354-3389 (Bath 91)

FISH HATCHERY

White Lake.....	K.L. Steele	335-2115 (2074)
-----------------	-------------------	-----------------

FISHERIES RESEARCH STATION

Glenora.....	W.J. Christie	476-2400 (3014)
		Picton

PROVINCIAL PARKS

Black Lake.....	H.E. Clark Sharbot Lake	335-2814 (198)
Bon Echo	G.L. McMurray...	336-2228 (2660)
Lake St. Peter	O. Goodman	47(989)
Outlet Beach	R.J. Davison	393-3314 (2007)
Sandbanks	W. Miller	393-3028 (5341)
North Beach	W. Miller	399-5436 (393-5341)
Lake-on-the-Mountain....	R.J. Davison	393-3314 (2007)
*Duty Officers		

WHITE RIVER FOREST DISTRICT

Area Code: 705

Telephone

OFFICE: 200 Winnipeg Street, White River

822-2250

District Forester W.D. Tieman(Acting)
..... 822-2250 (2306)

SUPERVISORS

Accounts	W.C. Johnstone ..	822-2252 (2506)
Fish and Wildlife	E.A. Pozzo	822-2250 (2544)
Biologist	T.G. Harrison ...	822-2250 (2408)
Forest Protection	*W. Kitt	822-2250 (2188)
Lands and Parks	J.J. Sargent	822-2250 (2218)
Timber	*W.D. Tieman ...	822-2250 (2306)
Scaling	J.E. Hamilton ...	822-2250 (2157)

CHIEF RANGERS

White River	*B. Petman	822-2253 (2523)
Wawa	J.C. MacDonald ..	856-2445 (2155)

DEPUTY CHIEF RANGERS

White River	D.D. Plumley	149(38)
White River	I. Rives	822-2253 (2596)
Wawa	C.R. Petrosky ...	856-2120
Wawa	J.C. Schreiber ...	856-2120 (7132)
Franz	J. Mills	2216
Manitouwadge	M.P. Barker	856-3225
White Lake Park .....	.....	1-R-11

UNIT FORESTERS

White River	R.G. Klein	186(248)
Wawa	B.I. Thompson ...	856-2445

PROVINCIAL PARKS

White Lake .....	.....	1-R-11
Obatanga .....	.....	856-2445

*Duty Officers

THE ONTARIO FOREST TECHNICAL SCHOOL

Area Code: 705

Telephone

DORSET 766-2242

Director R. W. Hummel 766-2333
B.Sc.F., Dipl. Res. Man.

Accountant J. Palmer

Registrar W. Chambers Minden 514r23

Maintenance Supt. E. Hayward 766-2304

Chef M. McCallum 766-2242

Nurse, Housekeeping Supt. Mrs. P. Briscoe, Reg. N. 766-2237

FACULTY

Head, Forestry Section;

Drafting, Silviculture, Certificate

and other courses *J. E. Dickenson 789-2336
B.Sc.F., R.P.F.

Head, Fish and Wildlife J. A. Simpson Gravenhurst 687-2519
Sect; Fish and Wildlife, B.Sc.F., R.P.F.

English, Certificate
and other courses V. B. Collins 766-2335
B.A., M.S.A.

Forest Fire Control

Training in Ontario G. D. MacAdam 766-2386

Dendrology, Soils,

Forest Protection E. Goodman 766-2312
R.P.F.

Dendrology, Mathematics,

Road Construction D. L. Lillow 766-2238

Mensuration, Scaling

courses G. J. Pennock Dwight 635-2953

Mensuration, Utilization,

Camp Clerking J. D. Ryan 766-2336

Surveying, Drafting W. P. Small 766-2344

First Aid (St. John

Ambulance Course) Mrs. P. Briscoe 766-2237
Reg. N.

Forest Pathology, Business English,

Utilization, University

of Toronto Forest G. Wilson Huntsville 789-5360
(University of Toronto)
B.Sc.F., R.P.F.

*On loan to Sir Sandford Fleming Campus.

NEW POLICIES

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research program. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R.N. Johnston was appointed Chief on January 1, 1944.

A.P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

The functions and responsibilities of the Research Branch are to provide the management Branches of the Department with useful information, checked for reliability by experiments and tests, concerning reproduction, rates of growth, population changes, and diseases relating to forestry, fisheries and wildlife resources. Separate sections of the Branch work in these three major disciplines. A fourth section, Mechanical Research, develops, improves and tests equipment and instruments to meet the special needs of the Research Branch and other Branches of the Department.

The Southern Research Station, established in 1944, serves as a base headquarters for most of the staff of the Research Branch. However, the majority of the research work undertaken by the researchers based at the Station is conducted in the field. In addition to the staff at the Station, decentralized units of the Branch are established in various parts of the province. For example, the Silvicultural Research Units have headquarters at Port Arthur, Sault Ste. Marie, Dorset and Tweed, as well as at Maple; Great Lakes Fisheries Units are established at South Baymouth, Wheatley and Glenora. Seasonally operated stations are also located in Algonquin Park - for fisheries at Lake Opeongo, for forestry at Swan Lake, and for wildlife near Lake of Two Rivers.

FISHERIES SECTION

Studies to determine rates of reproduction, growth and mortality of commercial and game fish, and relation of these to environmental conditions. **GREAT LAKES** - Research Branch responsible for general research on Lakes Huron, Erie and Ontario; Fisheries Research Board of Canada for Lake Superior, as well as sea lamprey control experiment. **GAME FISH** - Research units established for study of lake trout, speckled trout, smallmouth bass and walleye. **SELECTIVE BREEDING** - to obtain brook trout - lake trout hybrid which can survive in presence of sea lampreys. **MISCELLANEOUS** - Lake productivity unit to classify productive capacity on basis of chemical fertility. **Parasites** - to identify and assess effects. **Limnology** (Lake

RESEARCH BRANCH

Administrative Officer: E. K. E. DREYER

Special Projects

ADMINISTRATION

Budgeting and Accounting, Personnel
Equipment, Public Relations
Library, Reports

FISHERIES SECTION

Supervisor: K. H. LOFTUS

Game Fish: Brook Trout, Lake Trout,
Smallmouth Bass, Walleye

Great Lakes: Lake Erie, Lake Huron,
Lake Ontario, Lake Superior

Maple Headquarters Units: Limnology,
Parasitology, Productivity, Selective
Breeding, Technical Studies

FORESTRY SECTION

Supervisor: D. H. BURTON

Mensuration, Statistics and Economics
Reforestation, Site, Tree Breeding
W. Pine Blister Rust, Wood Quality

Field Silviculture Units: Central,
Northern, South Central, South Eastern,
South Western

MECHANICAL SECTION

Acting Supervisor: V. W. McMULLEN

WILDLIFE SECTION

Supervisor: R. O. STANDFIELD

Big Game, Predators
Diseases and Parasites, Upland Game and Waterfowl
Furbearers

Study) unit to study physical and chemical characteristics of Great Lakes.

Two examples of recent developments:

KOKANEE. The experimental planting of kokanee, a land-locked variety of sockeye salmon, in the Great Lakes appears headed for success. The Research Branch recommended the introduction of this species in 1964 and chose Lakes Huron and Ontario as experimental planting sites because they appeared suitable in most respects environmentally, and because of the depressed state of their commercial and sport fisheries. One factor considered was that kokanee may be able to flourish under conditions of water enrichment. Four plantings were planned, and the first two plantings of three million eggs each were made in 1964-65 and 1965-66. Assessment of the first planting has shown good growth and survival. Preliminary arrangements are proceeding for an increased supply of eggs, with a view of increasing stocking density.

The large numbers of mature kokanee, returning to the planting areas to spawn, gives a very good promise for the future. The evidence shows that adult kokanee are feeding on alewives. This is a new and promising development in view of the vast number of alewives. Smoking of some of the kokanee, during the spawning run and after they have changed colour, is a new and important development.

SPLAKE. In 1965 an international agreement was made between Canadian and United States agencies to undertake the rehabilitation of Lake Huron by stocking with highly selected splake hybrids rather than with lake trout. It was planned that the Fisheries Section of the Research Branch would allocate highly-selected brood stock to production hatcheries in Ontario and Michigan. The first stock will be ready for planting in 1969 or 1970. This agreement arose out of the success of a breeding program started by the Research Branch in 1957. By 1965 the first small number of adequately selected splake were produced at the Southern Research Station. Additional numbers are in culture and will come through the selection procedures during 1968 and subsequent years.

FORESTRY SECTION

SILVICULTURE - studies of forest culture, growth and reproduction of the important tree species and associated vegetation. Research includes studies of logging effects upon forest stands; cultural herbicides and controlled fires, seeding and planting. **SITE RESEARCH** - evaluation of soil features, climate and nutrients to determine best use, and rate of productivity. **TREE BREEDING** - selection and breeding of forest tree strains of superior quality and resistance to disease. **REFORESTATION** (Nursery and Planting Practices) - to assist in solution of nursery problems and the planting and care of plantations. **MISCELLANEOUS** - Wood Quality; Forest Mensuration, Mathematical Statistics, and Economics; White Pine Blister Rust Reconnaissance Surveys.

Two examples of recent developments:

TUBED SEEDLINGS. The first large-scale planting of tree seedlings grown in tubes is scheduled for 1966. Between 1957 and 1965 the Research Branch developed this new method to supplement, under certain conditions, the planting of nursery-grown trees. One advan-

tage of the tube method is that the seedlings may be planted in the summer months, almost immediately after a requirement arises, as in the case of a forest fire. Another advantage is that tubes may be planted several times faster than nursery seedlings.

In preparation for the 1966 operational planting by the Timber Branch, the Research Branch undertook in 1965 certain refinements of the equipment and methods they had developed in their experiments. The improvements included pre-treatment of seeds to promote uniform and rapid germination, regulation of watering in the special plastic field nurseries to promote best root growth in the 3 x 9/16 inch tubes, fertility and acidity-level ratings to meet different site requirements, and many improvements in the equipment and instruments designed originally as prototypes for research only.

SILVER MAPLE AND COTTONWOOD. The Southwestern Unit of the Forestry Section has been concentrating on the rehabilitation of the forest land in southwestern Ontario much of which is in a derelict condition following improper logging methods in the past and the destruction of the elm by the Dutch elm disease.

In 1965 particular attention was given to the propagation and cultural treatment of silver maple and eastern cottonwood to replace the elm lost. The work included advanced thinning studies of stands of coppice origin, establishment of silver maple and eastern cottonwood on a variety of sites, selection of high-quality specimens (phenotypes), asexual propagation of selected phenotypes by budding, layering and rooting of cuttings, seasonal growth studies of silver maple and correlation of growth with a variety of site factors such as temperature, precipitation, flooding and defoliation.

MECHANICAL RESEARCH SECTION

It is the special province of the Mechanical Research Section to design, develop, adapt, modify or construct equipment and instruments to meet the special needs of the Department, especially the Research Branch. Also to test and evaluate equipment and materials, and to provide engineering services as required for the solution of technical problems which arise.

Samples of more recent products:

Further design refinements were made to the Helicopter Aerial Seeder used by the Timber Branch in direct seeding tests. Development was initiated of an adaptation for metered broadcasting of seed and fertilizer from fixed-wing aircraft.

A portable gasoline-powered tree-core borer was designed and constructed to obtain large-diameter cores for experimental wood pulping in connection with the Wood Quality project.

An experimental endurance testing apparatus was constructed for the Fisheries Section to measure water pollution effects on small-mouth bass. Reduced swimming ability against current is indicated.

A rotating sand and acid solution power mixer was constructed, to determine the rate of release of nutrients from mineral samples, for use in site research.

A pressure bomb instrument (pressure chamber) was constructed for use in site research to measure sap pressures in twigs and stems, indicative of moisture deficit effects on trees.

A portable battery-operated centrifuge was devised for the Wildlife Research Section for field processing of blood samples taken from upland game.

A device for collecting algae from the water on the beach at Presqu'ile has been designed and a prototype made. A second model has been designed and is being tested.

WILDLIFE SECTION

Collects basic information and develops techniques to assist management. BIG GAME-white-tailed deer, deer, moose, woodland caribou. PREDATORS-timber wolves. UPLAND GAME AND WATERFOWL - A survey of Canada geese and other geese was made in the James Bay area during the spring break-up; small game animals, such as pheasants and rabbits, are under continual study. WILDLIFE DISEASES AND PARASITES - identification, frequency, distribution and effects. FURBEARERS - habits, behaviour and environment affecting numbers of such animals as beaver and marten. This survey is carried on annually in the north-western area adjacent to Big Trout Lake and at the Winisk and Severn rivers near their mouths.

Two examples of recent developments:

POLAR BEARS. For the past three years biologists in the Research Branch have been observing polar bears which inhabit the Hudson Bay coast of Ontario during the summer and early autumn when the sea is more or less ice-free. In some years there may be more than 80 bears along the shore, most concentrated around Cape Henrietta Maria and some nearby islands. Females den in the muskeg, sometimes over 100 miles from the sea, where they have their cubs in midwinter. There is no open season for polar bears in Ontario as there is as yet little known about their numbers and of the effects that sports hunting would have on them.

MAP OF PATRICIAS. The Wildlife Research Section prepared in 1965 a detailed cover-type map of the Patricia Districts north of latitude 54°. This is the first map of this kind covering this area, and will be useful for many other purposes in addition to wildlife work.

NEW POLICIES

[illegible]

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J. A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

J. A. Brodie was appointed Director of the Forestry Study Unit established on September 1, 1964, terminated on July 31, 1967.

M. B. Morison was appointed Chief on September 1, 1964.

TIMBER BRANCH

Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: Q. F. Hess

Tree Production and Distribution
Agreement Forest Administration
Private Land Forestry

SILVICULTURE SECTION

Supervisor: J. Barron

Forest Resources Inventory
Silvicultural Operations

TIMBER SECTION

Supervisor: J. W. Giles

Management Planning
Sale of Timber
Scaling
Marketing and Forest Economics

• Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904. Moved to St. Williams in 1908, this nursery transferred to the Department of Lands and Forests in 1912 and became the foundation of the present reforestation programme.

Reforestation Section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient quantities of tree seed to meet the requirements of private and Crown land planting and seeding projects.
- (b) the production and distribution of nursery stock for private demand, for approved Crown projects and for special demand such as Department of Highways roadside plantings.
- (c) the improvement of tree seed of important commercial species through the establishment and development of seed orchards and seed production areas.
- (d) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes.
- (e) recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (f) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (g) an extension service to provide information and advice relative to forestry problems on private lands, and financial assistance in the form of free forestry service in reforestation and woodlands improvement for private landowners entering into agreement with the Minister under The Woodlands Improvement Act.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1, 480, 539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
1945-1946	13, 175, 575
1946-1947	12, 269, 533
1947-1948	13, 049, 776
1948-1949	17, 700, 970
1949-1950	19, 027, 807
1951-1952	20, 749, 268
1952-1953	24, 241, 754
1953-1954	23, 448, 860
1954-1955	25, 519, 383
1955-1956	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
1965-1966	49, 019, 854
1966-1967	51, 712, 461
TOTAL:	899, 235, 469

REFORESTATION ESTABLISHMENTS

As at March 31st, 1967

SEED PLANTS	YEAR ESTABLISHED
Angus	1923
St. Williams	1908
FOREST STATIONS	
Chapleau	1956
Dryden	1958
*Fort William	1946
Gogama	1956
*Kemptville	1946
*Midhurst	1922
*Orono	1922
Sault Ste. Marie	1956
*St. Williams	1908
Swastika	1958
White River	1956

*Demonstration forests. All forest stations include tree nurseries

NURSERY STOCK

Furnished in Year Ended March 31st, 1967

Tree Species	For Use on Private Land	For Use of Ontario	Total
White Pine	1,079,100	7,173,425	8,252,525
Red Pine	2,628,500	3,881,756	6,510,256
Jack Pine	548,050	9,402,410	m10,150,460
Scotch Pine	1,465,425	16,430	1,481,855
White Spruce	2,099,725	16,312,454	18,412,179
Black Spruce	169,175	4,485,134	4,654,309
Norway Spruce ...	309,300	33,349	342,649
Red Spruce	200	240,950	241,150
White Cedar	458,425	45,020	503,445
European Larch ...	99,175	2,439	101,614
Tamarack	30,950	36,700	67,650
White Ash	91,060	26,018	117,078
Silver Maple	162,785	30,356	193,141
Red Oak	83,850	572	84,422
Carolina Poplar ...	234,050	34,971	269,021
Black Locust	64,050	2,050	66,100
Other Species	18,505	115,208	133,713
TOTAL	9,542,325	41,839,242	e 51,712,461

m-Includes 200,000 furnished for miscellaneous purposes.

e- Includes 130,894 for educational or scientific purposes.

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

COUNTY OR DISTRICT	1962	1963	1964	1965	1966	1967	TEN-YEAR TOTAL
							1957-1967
Algoma.....	221,525	266,075	229,525	243,475	182,950	168,025	2,724,000
Brant.....	130,050	99,650	93,350	83,450	108,400	182,050	1,224,956
Bruce.....	148,575	94,800	97,025	94,850	110,125	85,925	1,258,525
Carleton.....	290,925	223,750	215,850	216,125	218,575	170,825	1,967,125
Cochrane.....	59,350	60,450	3,500	2,375	7,100	3,000	218,125
Dufferin.....	425,725	430,525	353,125	271,000	281,150	242,950	4,732,175
Dundas.....	58,875	39,600	56,825	22,875	40,000	51,300	476,100
Durham.....	257,675	240,750	394,400	480,600	284,975	368,450	5,071,200
Elgin.....	96,225	135,450	130,750	65,475	81,650	79,450	1,199,350
Essex.....	26,300	38,525	36,225	56,525	52,550	48,625	467,525
Frontenac.....	146,325	128,950	107,575	120,250	130,950	155,500	1,293,200
Glengarry.....	75,525	61,775	26,175	41,625	62,375	58,950	548,225
Grenville.....	189,800	169,000	135,050	141,450	169,850	176,350	1,475,200
Grey.....	365,625	352,675	260,550	466,950	378,750	251,825	4,826,550
Haldimand.....	106,725	58,075	76,375	85,350	59,300	36,225	693,125
Haliburton.....	139,450	114,950	122,925	93,000	85,625	64,000	1,227,025
Halton.....	148,625	153,150	146,900	224,450	161,000	186,600	1,821,875
Hastings.....	305,900	389,750	251,400	313,375	256,725	196,500	3,221,925
Huron.....	201,250	205,950	190,800	190,150	182,225	114,950	2,121,125
Kenora.....	34,850	42,950	48,175	69,625	70,500	98,700	408,450
Kent.....	49,675	33,875	30,550	71,725	65,425	40,425	652,325
Lambton.....	134,225	96,075	78,875	110,550	69,025	74,650	1,088,900
Lanark.....	125,400	146,225	121,625	162,350	190,825	150,925	1,672,550
Leeds.....	105,250	73,400	71,575	65,500	45,175	102,475	799,275
Lennox & Addington...	96,325	107,975	59,125	87,525	57,300	52,925	973,475

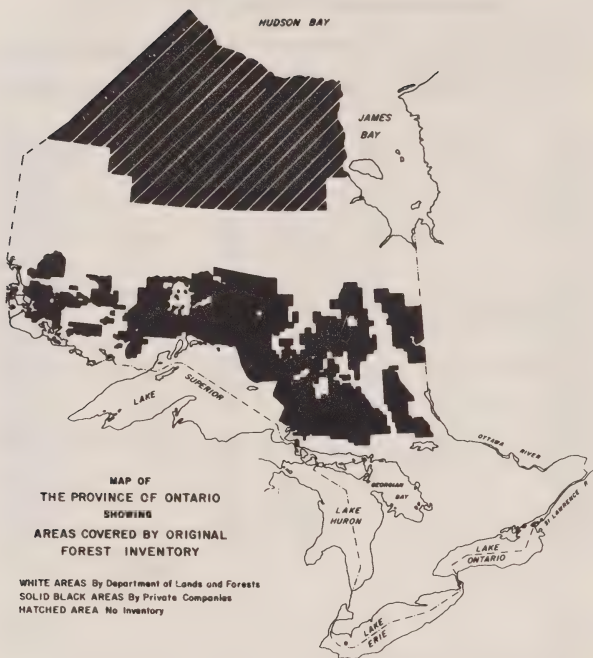
Lincoln.....	79,150	53,050	31,900	52,650	35,700	30,150	473,250
Manitoulin.....	68,600	29,600	21,625	27,775	3,175	101,600	575,075
Middlesex.....	494,425	287,625	265,275	240,575	258,450	245,350	2,550,200
Muskoka.....	271,775	199,850	201,825	151,600	191,550	138,300	2,860,600
Nipissing.....	90,975	59,725	84,550	32,275	111,825	125,800	1,091,350
Norfolk.....	289,150	273,050	249,325	230,625	211,300	169,525	2,622,175
Northumberland.....	354,675	131,900	96,425	148,700	149,725	114,550	2,118,100
Ontario.....	468,675	459,625	342,325	348,075	548,550	341,850	4,913,025
Oxford.....	146,750	101,125	96,900	203,075	102,575	289,550	1,488,675
Parry Sound.....	339,300	280,225	235,850	262,325	128,300	302,350	4,048,925
Peel.....	602,925	503,725	376,850	576,175	616,075	461,425	4,764,150
Perth.....	46,625	64,000	40,750	77,850	276,625	14,750	1,160,650
Peterborough.....	128,675	120,700	142,175	112,650	138,750	184,800	1,523,115
Prescott.....	221,025	170,425	63,300	79,225	143,050	366,700	2,013,350
Prince Edward.....	37,325	24,075	14,525	49,150	38,150	25,900	290,275
Rainy River.....	146,000	92,800	71,350	63,175	79,100	166,350	1,113,925
Renfrew.....	458,150	391,550	288,550	252,575	289,525	318,225	3,446,100
Russell.....	78,700	5,200	108,250	139,075	102,950	92,650	936,075
Simcoe.....	821,350	616,525	700,325	1,326,350	1,546,500	665,375	11,229,520
Stormont.....	51,375	91,600	56,575	75,500	20,950	39,700	508,975
Sudbury.....	121,875	134,775	190,325	167,200	185,250	156,475	1,508,475
Thunder Bay.....	315,975	188,750	184,550	682,230	654,475	521,150	3,489,105
Timiskaming.....	28,075	14,600	19,175	23,900	15,200	9,350	208,275
Victoria.....	138,450	135,600	112,400	72,275	60,700	47,375	1,183,824
Waterloo.....	181,650	201,200	150,625	218,675	199,625	191,350	2,023,525
Welland.....	227,275	205,975	259,500	184,225	224,725	214,250	1,813,400
Wellington.....	299,850	197,650	442,800	389,800	528,900	256,175	3,687,575
Wentworth.....	257,825	205,350	216,675	284,950	315,100	207,175	2,614,000
York.....	799,000	592,675	613,450	538,700	786,575	582,525	6,693,830
TOTAL.....	11,505,775	9,597,300	9,016,400	10,791,980	11,312,900	9,542,325	114,793,819

FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1967

23 CONSERVATION AUTHORITIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1966-67	Total
Ausable River.....	Dec. 13, 1951	50.00	4,299.00
Big Creek Region.....	Dec. 2, 1954	247.00	3,494.90
Catfish Creek.....	Dec. 19, 1962	.....	501.00
Central Lake Ontario.....	Sept. 24, 1963	.....	195.00
Crowe Valley.....	Aug. 21, 1963	.....	200.00
Ganaraska Region.....	Jan. 31, 1947	300.00	8,448.60
Grand River.....	Mar. 18, 1952	.....	5,766.37
Lakehead Region.....	May 15, 1958	.....	1,256.70
Lower Thames Valley.....	Aug. 12, 1964	.....	300.00
Maitland Valley.....	Apr. 1, 1955	.....	949.00
Metropolitan Toronto and Region ...	Apr. 11, 1951	.....	1,928.00
Moir River.....	Nov. 28, 1951	955.00	15,570.00
Napanee Valley.....	Oct. 28, 1954	521.00	6,666.00
Niagara Peninsula.....	June 6, 1963	.....	186.00
North Grey Region.....	June 25, 1958	686.00	7,055.00
Otonabee Region.....	May 15, 1963	130.00	1,345.00
Otter Creek.....	Apr. 26, 1957	35.00	1,532.00
Sauble Valley.....	Sept. 29, 1959	60.00	2,758.00
Saugeen Valley.....	Dec. 15, 1952	514.00	12,472.00
South Nation River.....	Mar. 28, 1960	68.00	1,098.50
Hamilton Region.....	Oct. 19, 1962	.....	12.50
Sydenham Valley.....	July 13, 1965	.....	150.00
Upper Thames River.....	Apr. 11, 1951	.....	3,364.36
Sub-Totals.....		3,566.00	79,547.93
11 TOWNSHIPS			
Bonfield.....	Apr. 1, 1952	.....	60.00
Charlottenburgh.....	Apr. 1, 1955	.....	175.00
Cramahe.....	Jan. 14, 1964	.....	162.00
Cumberland.....	May 29, 1952	.....	808.44
Darlington.....	Aug. 19, 1964	.....	140.00
Galway & Cavendish.....	Nov. 1, 1952	.....	619.00
Machar.....	Dec. 30, 1963	.....	90.00
Marlborough.....	Nov. 21, 1953	.....	200.00
Mosa.....	July 16, 1964	.....	144.00
Torbolton.....	Mar. 28, 1953	.....	430.80
Williamsburgh.....	Oct. 19, 1962	.....	400.00
Sub-Totals.....		.....	3,229.24

FOREST AREAS MANAGED BY THE MINISTER (Continued)

24 COUNTIES	Date of Agreement	NUMBER OF ACRES	
		Added during 1966-67	Total
Brant.....	Nov. 15, 1952	.....	50.00
Bruce.....	Jan. 20, 1950	.....	15,533.35
Carleton.....	July 30, 1964	.....	680.00
Dufferin.....	Nov. 26, 1930	.....	2,305.00
Grey.....	Dec. 21, 1937	.....	8,378.08
Halton.....	Mar. 14, 1950	200.00	1,498.63
Huron.....	Nov. 27, 1950	.....	1,439.00
Kent.....	Dec. 23, 1953	.....	75.39
Lanark.....	July 5, 1940	200.00	3,635.00
Leeds & Grenville.....	Apr. 24, 1940	700.00	8,300.50
Lennox & Addington.....	Apr. 3, 1952	.....	1,186.00
Middlesex.....	Mar. 8, 1954	146.00	1,335.50
Northumberland & Durham.....	June 10, 1924	842.00	5,719.00
Ontario.....	July 9, 1930	582.00	3,321.00
Oxford.....	Sept. 1, 1950	.....	716.56
Prescott & Russell.....	Mar. 15, 1937	324.00	23,892.03
Renfrew.....	Dec. 26, 1951	1,380.00	8,458.00
Simcoe.....	June 19, 1925	781.00	20,293.74
Stormont, Dundas & Glengarry.....	Sept. 20, 1949	.....	2,048.45
Victoria.....	Aug. 10, 1928	.....	8,319.00
Waterloo.....	Apr. 17, 1950	.....	710.48
Wellington.....	June 18, 1964	.....	1,100.00
Wentworth.....	Nov. 27, 1952	.....	889.30
York.....	Mar. 27, 1924	.....	4,130.70
Sub-Totals.....		5,155.00	124,014.71
GOVERNMENT OF CANADA			
National Capital Commission.....	Aug. 16, 1961	.....	3,632.00
TOTALS.....		8,721.00	210,423.88



SILVICULTURE SECTION

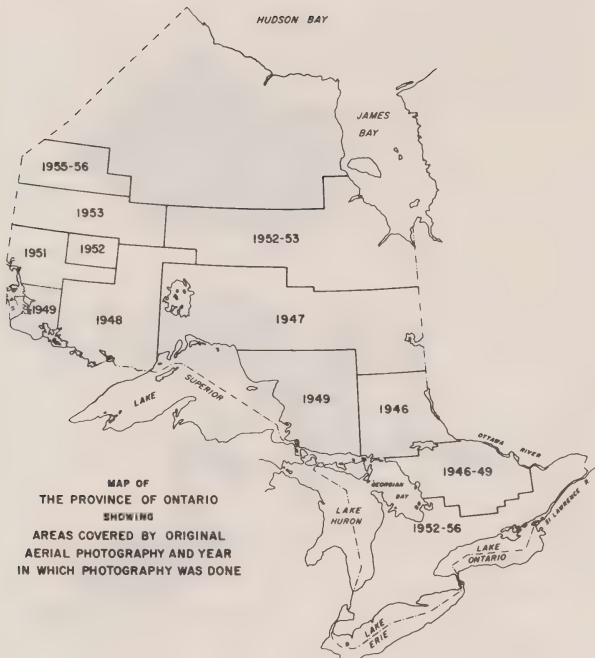
The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

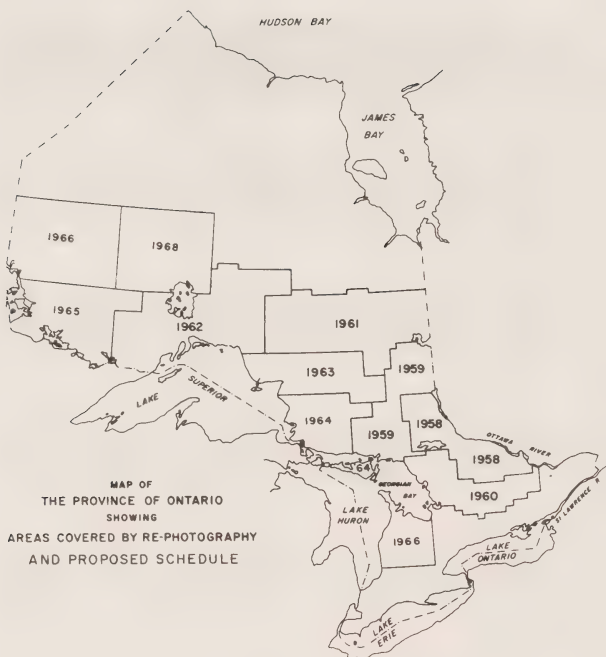


A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.

The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By December 31, 1967, approximately 174,818 square miles had been rephotographed, and detailed forest stand data had been obtained on 67,743 square miles.



The program of tree planting, seeding and stand improvement is to maintain the productivity of Crown Lands. Thus a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. In order to expand this program the Department and forest industry companies have signed Regeneration Agreements whereby the use of Company labour, camp facilities and equipment can be utilized in this work. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.



TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1962	1963	1964	1965	1966	1967	TOTAL 1957-1967
Ausable River.....	270,500	442,500	135,500	399,000	204,650	168,925	2,412,585
Big Creek Region.....	23,500	115,300	29,125	32,500	2,788	11,000	297,213
Catfish Creek.....	.....	32,500	46,000	36,000	.....	.....	114,500
Central Lake Ontario..	.....	69,000	14,000	.....	.....	.....	83,000
Crowe Valley.....	.....	.....	.....	24,750	.....	.....	24,750
Ganaraska Region.....	273,500	343,000	127,500	128,000	96,000	28,000	2,029,700
Grand River.....	392,400	250,300	101,600	63,900	145,500	60,300	2,328,850
Lakehead Region.....	80,000	40,000	.....	.....	.....	.....	193,000
Maitland Valley.....	13,000	8,400	.....	127,900	48,200	13,000	344,800
Metro Toronto & Region	120,300	67,000	51,100	19,300	18,000	22,000	577,350
Moira River.....	242,500	217,000	307,000	226,650	184,000	60,000	1,708,050
Napanee Valley.....	.....	30,000	.....	21,000	.....	.....	51,000
Niagara Peninsula.....	.....	.....	.....	20,000	.....	.....	20,000
North Grey Region.....	214,700	172,170	95,325	87,250	51,326	57,525	1,017,096
Otonabee Region.....	.....	.....	.....	.....	15,000	30,000	45,000
Otter Creek.....	6,000	1,000	.....	.....	55,076	28,000	106,276
Sauble Valley.....	9,000	.....	11,500	2,600	144,975	36,900	298,975
Saugeen Valley.....	423,600	115,850	185,050	170,975	79,202	70,250	1,770,327
South Nation River....	125,000	21,000	16,000	52,000	51,200	421,225	1,686,425
Sydenham Valley.....	.....	.....	.....	.....	30,000	.....	30,000
Upper Thames River....	70,100	40,000	36,500	.....	1,152	72,450	390,252
Lower Thames Valley...	.....	.....	.....	.....	.....	7,025	7,025
SUB-TOTAL.....	2,263,900	1,965,020	1,156,250	1,412,025	1,127,069	1,086,900	14,536,174
TOWNSHIP							
Charlottenburgh.....	.....	.....	.....	.....	750	.....	25,750
Cramahe.....	.....	.....	.....	10,000	33,000	4,500	47,500
Cumberland.....	.....	.....	.....	2,375	.....	.....	27,375
Darlington.....	.....	.....	.....	.....	10,000	.....	10,000
Mosa.....	.....	.....	.....	.....	.....	5,000	5,000
Galway, Cavendish....	.....	.....	.....	43,500	18,000	.....	92,300
Machar.....	.....	.....	.....	45,000	.....	.....	45,000
Marlborough.....	17,000	.....	.....	.....	.....	.....	227,925
Toronto.....	50,500	62,000	100,000	20,000	.....	.....	225,000
Williamsburgh.....	.....	.....	.....	20,000	.....	.....	120,000
SUB-TOTAL.....	67,500	152,550	110,000	140,875	81,750	9,500	886,950

National Capital Commission.....		150,000	721,080	658,950	541,850	328,400	219,550	2,619,830
COUNTY								
Brant.....	500	.....	.....	.....	.....	.....	.....	500
Bruce.....	19,500	.....	35,000	.....	54,900	30,204	67,000	674,004
Carleton.....	.....	.....	.....	.....	110,000	29,000	.....	139,000
Dufferin.....	12,600	3,000	8,000	.....	3,000	2,226	3,000	78,326
Grey.....	69,480	213,300	45,300	.....	29,950	36,800	99,450	1,134,279
Halton.....	21,650	38,700	1,800	.....	61,000	6,000	35,100	222,050
Huron.....	31,100	88,510	98,500	.....	25,095	300	5,800	580,105
Kent.....	.....	.....	.....	.....	4,000	.....	.....	4,000
Lanark.....	118,750	34,350	78,000	.....	269,000	77,225	78,000	826,325
Leeds & Grenville...	152,000	146,700	185,000	.....	265,200	177,800	537,700	2,323,300
Lennox & Addington..	114,000	20,500	.....	.....	3,600	.....	.....	150,900
Middlesex.....	30,500	20,500	8,000	.....	22,500	8,500	7,825	173,175
Northumberland and Durham.....	172,000	136,200	147,500	.....	110,000	19,000	18,000	921,000
Ontario.....	3,500	100,600	8,000	.....	4,800	39,000	3,050	307,750
Oxford.....	10,000	25,100	.....	.....	11,000	.....	29,250	128,150
Prescott & Russell...	315,800	239,500	405,365	.....	240,125	224,500	228,450	5,604,473
Renfrew.....	283,000	380,000	340,000	.....	420,000	419,450	338,400	2,312,850
Simcoe.....	349,400	433,000	540,200	.....	398,425	214,100	241,675	3,548,400
Stormont, Dundas and Glengarry.....	78,000	196,500	93,650	.....	150,300	104,750	14,000	818,200
Victoria.....	185,000	219,250	64,750	.....	44,500	44,000	.....	1,103,447
Waterloo.....	11,500	7,250	4,500	.....	.....	5,000	26,200	182,450
Wellington.....	.....	.....	.....	.....	29,950	.....	5,000	34,950
Wentworth.....	12,000	.....	2,500	.....	.....	1,000	6,500	303,800
York.....	38,500	126,800	6,800	.....	29,400	35,500	5,000	358,950
SUB-TOTAL.....	2,028,780	2,582,460	2,072,865	2,286,565	1,474,355	1,799,400	21,951,504	39,994,458
TOTAL.....	4,867,430	5,063,860	3,998,065	4,381,315	3,011,574	3,115,350		

TREES PLANTED ON CROWN LANDS in years ending March 31st

TEN-YEAR
TOTAL
1957-1967

DISTRICT

1962

1963

1964

1965

1966

1967

	1962	1963	1964	1965	1966	1967	TOTAL 1957-1967
Aylmer.....	104,458	145,362	208,345	178,490	409,915	354,300	2,585,894
Chapleau.....	2,691,500	3,538,120	3,401,050	4,541,825	3,552,475	3,621,800	30,493,224
Cochrane.....	1,547,250	1,786,000	1,830,000	2,107,400	2,232,000	2,456,875	16,767,133
Fort Frances....	418,946	1,204,100	1,201,300	1,511,400	779,400	1,087,350	9,056,950
Geraldton.....	1,144,650	1,851,785	3,024,070	2,656,110	2,031,775	4,737,125	19,360,660
Gogama.....	3,695,525	4,210,925	3,818,975	3,938,300	4,135,125	3,696,225	31,053,725
Hespeler.....	15,025	51,000	18,500	41,540	47,800	16,760	311,260
Kapuskasing.....	1,214,400	1,216,275	1,443,500	2,047,000	2,708,375	4,674,117	17,195,226
Kenepville.....	114,406	73,295	58,040	87,795	37,075	252,450	964,802
Kenora.....	479,206	369,900	1,080,600	463,600	849,050	1,298,100	6,140,228
Lindsay.....	606,987	489,700	542,090	846,359	603,500	899,100	6,720,690
Maple.....	580,445	263,293	168,067	61,475	45,320	40,325	2,847,887
North Bay.....	828,806	643,000	849,000	957,800	1,644,000	1,614,000	8,809,513
Parry Sound.....	599,111	545,165	364,948	639,380	458,200	754,731	7,002,849
Pembroke.....	1,260,236	1,207,022	1,374,600	1,628,595	937,255	1,097,000	11,007,331
Port Arthur.....	1,702,275	1,491,800	2,015,000	1,603,000	1,337,600	2,246,500	15,143,678
Sault Ste. Marie	3,682,390	3,828,956	3,402,885	3,922,200	2,827,895	3,150,750	29,711,178
St. Louis Lookout...	211,700	141,200	250,400	590,100	695,500	738,300	3,422,996
Sudbury.....	1,840,889	1,890,525	1,759,337	2,528,720	1,931,700	2,611,780	17,419,044
Swastika.....	2,124,903	2,246,795	1,633,068	1,950,057	2,146,825	3,371,850	18,539,777
Tweed.....	938,010	912,000	1,356,050	1,034,000	693,850	1,138,612	9,785,699
White River.....	699,050	905,500	954,350	384,000	327,475	304,000	6,944,125
Miscellaneous...	102,552	79,303	.....	2,643,760	2,555,154	.....	5,581,822

TOTAL..... 26,602,720 29,091,021 30,754,175 36,362,906 32,987,264 40,162,050 276,865,691

Trees Planted
By Department

31,666,580 33,958,451 34,752,240 40,744,221 35,998,838 43,277,400 316,860,149

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1960	1961	1962	1963	1964	1965	1966	1967
Scarification and other site preparation.....	8,824	4,247	1,035	2,307	3,802	3,793	4,127	16,997
Scarification with cone scattering or seeding....	.....	.....	2,263	1,211	3,203	5,529	9,414	35,157
Cleaning and clearing...	1,745	5,208	12,053	6,768	9,581	7,545	6,290	4,481
Brush Control.....	179	39	3,906	2,595	6,165	8,728	18,494	12,620
Prescribed Burning.....	.....	.....	.....	66	97	1,560	7,500	.....
Thinning.....	225	1,158	583	2,286	1,973	743	...	.....
Pruning.....	76	4,080	4,870	3,111	3,088	3,549	634	1,907
Xmas Tree Culture.....	.....	706	509	Discontinued	...	...	...	.....
Improvement Cutting.....	.....	2,525	2,810	1,496	352	1,074	767**	888
Girdling, Frilling and Poisoning.....	772	2,912	2,754	3,182	6,655	4,974	4,878	1,365
Tree Marking.....	.....	3,328	.....	7,465	31	19,047	16,222	6,628
Harvest Cutting.....	406	425	1,498	1,824	923	1,047	1,340	1,483
Deer Habitat Improvement .....	.....	.....	.....	.....	664	2,463	9,173	21,132
TOTAL.....	12,227	24,628	32,281	32,311	36,534	60,052	78,839	102,658

** includes thinning

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- (1) "District Cutting Licences" - small, short-term sales which are administered entirely within a particular district.
- (2) "Licences to cut Crown timber" - this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to cut Crown timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

In recent years, some large companies have been guaranteed long-term timber supplies from specific areas by "Volume Agreements". Under this form of tenure, it is the responsibility of the Department to prepare the Forest Management Plan and to select the areas for cutting.

It is the responsibility of the management planning unit to supervise the preparation of plans which will ensure the organization and orderly utilization of Ontario's Crown forests, on a sustained basis. Plans prepared by large companies for the management of their licence holdings, are submitted to this unit for checking and, when satisfied, are recommended for approval. Plans are also prepared by Department staff under the supervision of the management planning unit, for the Crown Management Units for all of the Crown forest areas not covered by company management plans. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in 10 and 20 year periods, a licensee can be shown an assured future wood supply.

The Marketing and Forest Economics Unit carries out detailed economic studies pertaining to forestry and is primarily responsible for assisting in the development of new and expanded forest industry in Ontario. Reports are prepared describing forest industry opportunities in specific localities in the province, in co-operation with other provincial departments and the Federal Government, to provide information for prospective investors in forest products manufacturing.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
SOFTWOODS										
Balsam.....	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093	14,374
Cedar.....	139	180	126	127	96	234	197	97	738	459
Hemlock.....	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872	5,321
Jack Pine....	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779	86,664
R and W Pine.	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528	33,679
Spruce.....	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666	205,320
Tamarack.....	4	7	16	10	7	10	12	16	25	102
Fuelwood.....	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001	2,401
Others.....	.....	.....	.....	.....	.....	.....	.....	.....	22	32
HARDWOODS										
Birch.....	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506	7,437
Maple.....	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265	4,441
Poplar.....	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955	16,921
Fuelwood.....	1,020	1,652	1,054	1,166	568	1,530	1,577	1,293	1,802	1,813
Others.....	580	1,755	1,061	1,148	1,145	1,335	968	691	552	925
TOTALS										
Softwoods.....	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724	348,352
Hardwoods....	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081	31,536
All Species..	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806	379,888
Total Value..	.....	.....	.....	.....	.....	.....	10,428	10,756	11,473	12,039
(\$000's export levy not included)										

TIMBER CUT IN FOREST DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1966

DISTRICTS	Permits Issued	Ontario Scale	Saw- Logs	Tree- Length	*Boom Timber	Pulp- Wood	Fuel- Wood	Misc.	Total Volume	Dues	Bonus	Value
Chapleau.....	62	481	11,617	...	3	10,784	28	...	22,913	\$ 568	\$50	\$618
Cochrane.....	363	1,134	2,016	1,990	21	33,537	83	1,775	40,556	1,165	179	1,344
Fort Frances....	190	2,436	395	...	4	8,331	30	3	11,199	270	57	327
Geraldton.....	103	...	2,085	144	84	53,378	74	937	56,702	1,552	135	1,687
Gogama.....	20	5,002	1,936	...	79	4,336	12	204	11,569	316	97	413
Kapuskasing.....	430	...	14,146	2,509	6	30,625	97	275	47,658	1,497	295	1,792
Kemptville.....	5	192	...	...	...	5	...	...	197	5	4	9
Kenora.....	249	...	643	...	115	29,811	26	11	30,606	842	132	974
Lake Simcoe.....	13	15	...	...	...	12	2	...	29	1	2	3
Lindsay.....	42	766	...	...	1	8	19	3	797	18	21	39
North Bay.....	310	12,098	...	...	224	5,597	128	...	18,047	394	391	785
Parry Sound.....	230	4,207	99	...	22	444	115	185	5,072	117	140	257
Pembroke.....	113	13,605	17	...	853	1,308	26	...	15,809	374	413	787
Port Arthur.....	211	230	7,670	2,261	408	33,883	32	838	45,322	1,314	217	1,531
Sault Ste. Marie	110	14,674	10	...	21	867	84	3	15,659	407	403	810
Sioux Lookout...	190	825	939	4,589	162	19,414	212	1	26,142	717	74	791
Sudbury.....	209	90	3,105	...	152	6,840	63	55	10,305	263	68	331
Swastika.....	280	1,610	7,399	...	194	6,793	90	647	16,733	418	146	564
Tweed.....	170	2,916	...	...	9	1,617	12	7	4,561	80	100	180
White River.....	30	...	3,029	...	53	2,860	8	16	5,966	166	36	202

CHRISTMAS TREES: Fort Frances, 38,035; Geraldton, 1,165; Kenora, 260; Total, 39,460.

*Includes Piling, Poles, Dimension Timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	Tree Length	*Boom Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	.....	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	.....	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	.....	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	.....	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	.....	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	.....	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	.....	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	.....	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	.....	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	.....	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091
1964	4,392	65,647	56,368	.....	1,524	231,301	1,614	3,611	360,065	2	9,658	2,848	12,506
1965	3,095	68,469	59,000	.....	2,467	240,209	1,601	4,463	376,209	20	10,264	3,191	13,455
1966	3,330	60,282	55,106	11,494	2,407	250,429	1,143	4,980	385,841	39	10,485	2,961	13,446

*Includes piling, poles, dimension timber.

† Number of trees in 000's.

(d) Includes Doyle Scale.

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58
1965	590	2,564.98	103,347.49	4.90	105,917.37
1966	533	2,466.68	100,362.79	1.20	102,830.67
1967	535	2,006.5	104,269.9	.....	106,276.4

MILLS LICENSED as of March 31st

Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944

MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	..
1955	81	36	117	..
1956	82	39	121	..
1957	80	41	121	..
1958	81	43	124	..
1959	77	48	125	..
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	78	67	145	60
1967	78	66	144	60

AREAS OF MANAGEMENT UNITS in Square Miles

1957	129,551	78,837	208,388	...
1958	125,397	85,034	210,431	...
1959	.....	.....	.....	...
1960	83,295	100,408	183,703	224
1961	83,900	96,983	180,883	230
1962	84,108	99,987	184,095	234
1963	85,216	97,342	182,558	244
1964	.....	.....	.....	245
1965	88,214.7	100,476.4	188,691.1	280.1
1966	89,122.1	97,726.0	186,848.1	315.2
1967	90,665.0	99,342.9	190,007.9	328.8

PRIMARY GROWING STOCK in 000's Cubic Feet

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Species	4"-9" d. b. h.	10" up d. b. h.	Total
White pine.....	759, 884	3, 136, 869	3, 896, 753
Red pine	262, 259	859, 182	1, 121, 441
Jack pine.....	13, 637, 962	6, 486, 599	20, 124, 561
Pitch pine	90	132	222
White spruce.....	2, 844, 250	5, 054, 764	7, 899, 014
Black spruce.....	38, 609, 370	5, 656, 094	44, 265, 464
Balsam fir.....	7, 548, 699	1, 875, 756	9, 424, 455
Hemlock	349, 745	1, 059, 874	1, 409, 619
White cedar.....	1, 413, 148	1, 605, 967	3, 019, 115
Red cedar.....	1, 638	545	2, 183
Larch.....	177, 764	25, 025	202, 789
Total Conifers	65, 604, 809	25, 760, 807	91, 365, 616
Sugar maple	1, 917, 892	4, 488, 726	6, 406, 618
Soft maple.....	460, 542	405, 293	865, 535
Yellow birch.....	503, 134	3, 682, 764	4, 185, 898
Beech.....	183, 503	446, 277	629, 780
Elm	346, 282	723, 814	1, 070, 096
Ironwood	172, 359	22, 294	194, 653
Red oak	228, 796	240, 059	468, 855
White oak.....	21, 837	34, 385	56, 222
White birch.....	10, 026, 642	6, 188, 709	16, 215, 351
Poplar	13, 709, 143	14, 373, 889	28, 083, 032
Ash	351, 292	268, 479	619, 771
Basswood.....	102, 957	279, 049	382, 006
Black cherry.....	59, 881	28, 637	88, 518
Butternut.....	1, 388	3, 601	4, 989
Hickory	24, 375	15, 342	39, 717
Other hardwoods	5, 024	1, 476	6, 500
Total Hardwoods ...	28, 115, 047	31, 202, 794	59, 317, 841
TOTAL ALL SPECIES .	93, 719, 856	56, 963, 601	150, 683, 457

ANNUAL ALLOWABLE CUT in 000's Cubic Feet

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine.....	32, 254	13, 737	45, 991
Red pine.....	13, 871	3, 216	17, 087
Jack pine.....	413, 427	16, 332	429, 759
Pitch pine .....	.....	6	6
White spruce.....	105, 027	12, 711	117, 738
Black spruce.....	551, 794	21, 943	573, 737
Balsam fir.....	139, 345	19, 912	159, 257
Hemlock	5, 031	5, 430	10, 461
Cedar	15, 893	12, 687	28, 580
Larch.....	2, 459	849	3, 308
Total Conifers	1, 279, 101	106, 823	1, 385, 924
Sugar maple	30, 476	42, 957	73, 433
Soft maple.....	1, 725	26, 825	28, 550
Yellow birch.....	37, 858	12, 534	50, 392
Beech.....	1, 687	4, 611	6, 298
Elm	675	16, 606	17, 281
Ironwood	573	1, 984	2, 557
Red oak.....	149	4, 950	5, 099
White oak	6	673	679
White birch.....	263, 626	31, 863	295, 489
Poplar	702, 313	140, 798	843, 111
Ash.....	1, 774	6, 638	8, 412
Basswood	1, 489	7, 973	9, 462
Black cherry.....	115	1, 102	1, 217
Butternut.....	.....	92	92
Hickory.....	6	729	735
Other hardwoods	1, 720	91	1, 811
Total Hardwoods ...	1, 044, 192	300, 426	1, 344, 618
TOTAL ALL SPECIES .	2, 323, 293	407, 249	2, 730, 542

NEW POLICIES

[illegible]

COMMITTEES

COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
Advisory Committee on Recreational Land Use Planning
Advisory Council to the Ontario Forest Technical School
Atlantic Flyway Council --- Technical Committee
American Ornithologists' Union --- Local Committee for 1967 Meeting.
Canada Land Inventory Co-ordinating Sub-Committee
Canada Fur Council
Canadian Council of Resource Ministers
Canada-Ontario Advisory Committee on Forest Research
Conservation Council of Ontario
Federal-Provincial Advisory Committee --- Resource Development Agreement
Federal-Provincial Committee on Ontario Fisheries
Fish and Wildlife Advisory Committee to Ontario St. Lawrence Development Commission
Great Lakes Deer Group
Interdepartmental Committee on Pollution --- Subcommittee on Food Processing and Industrial Waste.
Interdepartmental Committee on Wildlife Management and Research (Conjoint Committee --- Guelph University, Department of Agriculture and Lands and Forests)
Interdepartmental Rabies Committee (Federal and Provincial Departments of Health and Agriculture, and Ontario Dept. of Lands and Forests)
Minister's Advisory Committee on Indian Affairs
Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners
Mississippi Flyway Council --- Technical Committee
International Great Lakes Fishery Commission ---
--- Sea Lamprey Control and Research Committee
--- Lake Superior Committee
--- Lake Huron Committee
--- Lake Erie Committee
--- Lake Ontario Committee
Ontario Council of Commercial Fisheries
Ontario Humane Society --- Committee on Private Zoos
Ontario Waterfowl Research Foundation --- Scientific Advisory Board
Ontario Trappers' Association --- Fur Committee
International Association of Game, Fish and Conservation Commissioners --- Arrangements Committee
--- Program Committee
Educational Leave Committee

FOREST PROTECTION BRANCH

Advisory Comm on Pollution Control --- Sub-Comm on
Pesticides, Herbicides and Fertilizers
Air Pollution Control Association
Air Transport Association of Canada
Canadian Institute of Forestry --- Youth Training, Fire Control
Canadian Standards Association --- Comm on Fire Hose Couplings
Conservation Business Management Association
Entomological Society of Canada
National Association of Fleet Administration
National Fire Protection Association --- Forests Comm
National Research Council --- Associate Comm on Forest Fire
Protection
North American Forestry Commission --- Fire Control Working
Group
Ontario Forestry Association --- Forest Fire Prevention Comm
Ontario Professional Foresters Association
Ontario Shade Tree Council --- Technical Comm.
Western Forestry and Conservation Association.

LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
Advisory Council on Surveys
Association of Ontario Land Surveys --- Member of Council
Canada Land Inventory Co-ordinating sub-committee
Canadian Advisory Council on Cadastral Surveys
Canadian Permanent Committee on Geographical Names
Co-ordinating Committee on studies of Northern Ontario Water
Resources (Ontario-Canada)
Federal and Provincial Government Survey Officials
Federal-Provincial Rideau Study Committee
International Boundary Commission
International Great Lakes Levels Board --- shore property
sub-committee
International Hydrological Decade
Interprovincial Boundary Commissions
Lake of the Woods Control Board
Mapping Liaison Committee
Mining and Access Roads Committee
National Advisory Committee on Recreational Land Inventory
Northern Ontario Transportation Study Committee
Ontario Water Resources Liaison Committee
Private Lands Liaison Committee
Public Agricultural Lands Committee
Water Front Technical Committee (under Metropolitan Toronto).

LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Purchasing Agents
Canadian Public Relations Society --- Seminars Comm on
Management
Canadian Society of Safety Engineering --- Board of Governors
Conservation Business Management Association
International Association of Game, Fish and Conservation
Commissioners --- Vice-Chair, Communications Comm
International Order of Hoo-Hoo, Toronto Club No. 53 --- First
Vice-Pres
International Rescue and First Aid Association --- Past Pres,
Board of Directors, and Executive Comm
National News Week (Toronto Men's Press Club)
North American Conservation Hall of Fame --- 1st Vice-Pres
North-East Fish and Wildlife Association --- Information
and Education Section
Sheridan Park Research Community

PARKS BRANCH

Canadian Institute of Forestry
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Intergovernmental Comm on Recreation and Wildlife (C.C.R.M.)
Northern Ontario Transportation Study Committee
Ontario Conservation Council --- Parks Comm, Research Comm
Ontario Forestry Assn --- Forest Fires Prevention Comm
Quetico-Superior Joint Advisory Comm
Tri-County Niagara Escarpment Scenic Drive Comm
Wasaga Beach Advisory Comm --- Chairman.
Water Resources Liaison Comm.

RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research
Advisory Comm for Lake Huron Fisheries Research
Advisory Comm for the Harkness Lab for Fisheries Research
Advisory Comm for the Lab of Experimental Limnology
American Fisheries Society
Canada Comm on Freshwater Fisheries Research
Fed-Prov Great Lakes Research Comm
Great Lakes Deer Group
Great Lakes Fishery Commission
--- Advisory Comm
--- Scientific Advisory Comm
--- Sub-Comm on Lake Erie
--- Sub-Comm on Lake Huron
--- Sub-Comm on Lake Ontario
--- Sub-Comm on Lake Superior
Great Lakes Institute (University of Toronto)
Guelph University --- Dept of Agriculture --- Dept of Lands and
Forests Co-joint Comm
Lake Erie Council of Commercial Fisherman
Lake Erie Fish Management Comm
Lake Ontario Fisheries Management Comm (Ontario-New York)
Midwest Wildlife Conference --- Upper Great Lakes Fishery
Commission
Mississippi Flyway (Research) Council
National Advisory Comm on Forest Land

North American Wildlife Conference
 Northeastern Forest Tree Improvement Conference --- Site
 Evaluation Comm
 Northeast Wildlife Conference
 Ontario Agricultural College Comm on Correlation of Soil and Site
 Ontario Council of Commercial Fishermen
 Ontario Research Foundation
 --- Advisory Comm on Research in Forestry
 --- Advisory Comm on Research in Fish and Wildlife
 --- Quality Wood Comm
 Ontario Waterfowl Research Foundation --- Scientific Advisory
 Comm.

TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation
 Comm
 Canada Comm on Forest Tree Breeding
 Canada-Ontario Forest Research Comm
 Canadian Institute of Surveying --- Air Photo Interpretation
 --- Sub-Comm on Equipment and Techniques
 --- Air Photo Interpretation of Forestry and Wildlife
 Conservation Council of Ontario
 Ontario Economic Council
 --- Comm on Rural Land Development
 --- Comm on Forest Based Industry
 Ontario Forestry Association --- Board of Directors
 --- Resources Rangers Advisory Comm
 Ontario Professional Foresters Association
 --- Private Lands Management
 --- Forest Management
 --- Practice and Ethics
 --- Public Relations
 Photogrammetria --- Editorial Comm
 Society of American Foresters
 --- Forest Mensuration Group
 --- U. S. Region Nine Nurserymen's Association.

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning
Chapleau Area Chamber of Commerce - Committee Member

COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Lands Comm.

FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning
Quetico-Superior International Joint Advisory Comm.

GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning
Geraldton Chamber of Commerce (Secretary-Treasurer)
Geraldton Industrial Development Comm
Longlac Conservation School
Marathon Conservation School
Search and Rescue Unit

GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm
Recreational Land Use Planning Comm.

KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Land Use Comm
Brunetville Rehabilitation Liaison Comm
Industrial Development Comm
Planning Boards (Kapuskasing and Hearst)
Winter Employment Comm.

KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,
Glengarry, Prescott and Russell and Carleton Counties
Catawaqui Region Conservation Authority - Reforestation
Advisory Comm
Conservation Council of Stormont, Dundas and Glengarry
Eastern Ontario Development Council
Gananoque River Waterway Association
Interprovincial Conservation Council
Ontario Federation of Agriculture (Leeds, Carleton)
Ontario Federation of Anglers and Hunters - Zone 4
Ontario Forestry Association - Tree Farm Comms in
Glengarry and Lanark Counties

Raisin River Conservation Authority
Rideau River Conservation Authority
Reforestation Comm for County Councils of Leeds and Grenville;
Dundas, Stormont and Glengarry; Prescott and Russell;
Carleton and Lanark.
Reforestation Comms for Township Councils of Torbolton,
Marlborough, Williamsburgh and Cumberland

Seaway Valley Travel Council
Soil and Crop Improvement Association --- Land Use Comms for
Eastern Ontario and for Leeds, Grenville, Glengarry, Russell,
Stormont and Prescott Counties.
South Nation Conservation Authority
St. Lawrence Parks Commission --- Fish and Wildlife Advisory
Comm.

KENORA DISTRICT

Agricultural Lands Comm (ARDA)
Dryden Conservation Camp --- Advisory Comm
Dryden High School Forestry Course --- Advisory Comm
Ontario Professional Foresters Association --- Management
Planning Comm
Recreational Zoning Comm.

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
Big Creek Conservation Authority - Fish & Wildlife Advisory Board
Catfish Creek Conservation Authority --- Forestry Advisory Board
Grand Valley Conservation Authority --- Reforestation Comm
Great Lakes Fishery Commission --- Research and Management
Comm, Lake Erie Research and Management Comm
Haldimand Agricultural Committee
Lake Erie Fisheries Research Advisory Comm
Lake Erie Regional Advisory Board
Lake St. Clair Regional Advisory Board
Lincoln County Reforestation Comm
Lower Thames River Conservation Authority --- Forestry
Advisory Board
Middlesex County Forestry Comm
Niagara Peninsula Conservation Authority --- Reforestation Comm
Niagara Regional Advisory Board
Norfolk County Reforestation Comm
Ontario Professional Foresters Association --- Forest
Management Comm;
Otter Creek Conservation Authority --- Forestry Advisory Board
Sydenham Valley Conservation Authority --- Forestry Advisory
Board
Upper Thames River Conservation Authority --- Forestry
Advisory Board.

LAKE HURON DISTRICT

Ausable Valley Conservation Authority --- Forestry Advisor
Hamilton Region Conservation Authority --- Forestry Advisor
Saugeen Conservation Authority --- Forestry Advisor

LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform
Institutions)
Canadian Institute of Forestry, Southern Ontario Section
Central Lake Ontario Conservation Authority --- Land Use,
Water Control and Reforestation Advisory Board
Central Ontario Regional Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land
Use Advisory Board
Essa Township Conservation Comm
Lake Simcoe and District Maple Syrup Producers Association
Metropolitan Toronto and Region Conservation Authority ---
Reforestation and Land Use Advisory Board
Minister's Advisory Comm on Wasaga Beach
Reforestation Comms of County Councils in Simcoe, Dufferin,
York and Ontario Counties.
Wasaga Beach Interdepartmental Study Comm

LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications
Comm; Forest Management Comm
Central Lake Ontario Conservation Authority --- Land Use,
Water Control and Reforestation Advisory Board
Durham and Northumberland Counties --- Reforestation Comm
Ganaraska Region Conservation Authority --- Forestry Advisory
Board
Otonabee Region Conservation Authority --- Reforestation and
Land Use Advisory Board; Wildlife Advisory Board
Victoria County --- Reforestation and Soil Conservation Comm;
ARDA Comm.
Peterson Trail Conservation Association

NORTH BAY DISTRICT

Agricultural Lands Comm
Canadian Institute of Forestry
Recreational Land Use Planning Comm.
Canadian Council of Resource Ministers (Supply and Demand
Pilot Project)

PARRY SOUND DISTRICT

Agricultural Land Use Comm
Federation of Ontario Naturalists --- Jr. Naturalist Bulletin
Muskoka, Parry Sound and Nipissing Maple Syrup Producers'
Assn
North Georgian Bay Advisory Comm
Parry Sound Anglers and Hunters Association
Recreational Land Use Planning Comm (Parry Sound and
Muskoka).
Regional Development Board, Ont. Regional Development
Program

PEMBROKE DISTRICT

Canadian Institute of Forestry - program comm
County of Renfrew Conservation Comm
Ontario Professional Foresters Association

Opeonge Line Development Association
Renfrew County ARDA Advisory Comm.

PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm
Private Lands Liaison Comm
Quetico-Superior Joint Advisory Comm
Thunder Bay Fish and Game Association.

SAULT STE. MARIE DISTRICT

Agricultural Comm
Agricultural Resources Development Association
Agriculture and Conservation Comm - Kiwanis
Canadian Institute of Forestry
Ontario Professional Foresters Association --- Council
Recreational Land Use Planning Comm
Search and Rescue Unit

SIOUX LOOKOUT DISTRICT

Agricultural Comm
Recreational Land Use Planning Comm.
Sioux Lookout Resource Rangers

SUDBURY DISTRICT

Manitoulin Island Conservation Advisory Comm
North Georgian Bay Recreational Reserve Comm
Recreational Land Use Planning Comm

SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning
Agricultural Comm.
Agricultural Lands Comm
Search and Rescue Unit

TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental
Sciences Advisory Board
Joint Commercial and Sport Fish Comm for the Bay of Quinte
Moirs River Conservation Authority --- Wildlife Advisory Board
Napanee River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Comm;
Advisory Comms to County ARDA --- Frontenac, Prince Edward,
Hastings, and Lennox and Addington.

WHITE RIVER DISTRICT

Canadian Institute of Forestry
Recreational Planning Comm.
Ontario Professional Foresters Assn --- Management Planning
Comm

ONTARIO FOREST TECHNICAL SCHOOL

Advisory Council to Ontario Forest Technical School
Canadian Council of Technical Forestry School Executives

NEW POLICIES

AREA AND POPULATION BY PROVINCES populations in 000's

Province...Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961	*1967
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236	7,167
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259	5,873
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737	758
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598	621
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105	109
Newfoundland.....155,364 Mar. 31, 1949	....	.....	.....	.....	.....	.....	361	458	501
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922	965
Saskatchewan.....251,700 Sept. 1, 1905	....	.....	492	757	921	895	831	925	958
Alberta.....255,285 Sept. 1, 1905	....	.....	374	588	731	796	939	1,332	1,493
British Columbia...366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629	1,952
Territories**.....1,511,979	48	98	15	12	13	16	25	38	44
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238	20,441

*Estimate of Dominion Bureau of Statistics, July 1.

**Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.

- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

- 1949 White River District established (Central Region), the 22nd District.

- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

1956 Rideau District named Kemptville District.

1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.

1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.

G. H. U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-Western). Regional Forester in South-Central, only.

NEW POLICIES

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NEW POLICIES

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